

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

12/24/10

Attorney Ted Heinrich
Assistant US Attorney

Dear AUSA Heinrich,

Enclosed are copies of the information you requested regarding sample numbers [REDACTED]
[REDACTED] in the following:

1. Drug Analysis Laboratory Receipts.
2. Curriculum Vitae for Daniela Frasca, Annie Khan (Dookhan), Kate A. Corbett, and Della Saunders.
3. Control Cards with analytical results for sample numbers [REDACTED] and [REDACTED]
4. Analysis notation forms and FTIR spectra for sample numbers [REDACTED]
[REDACTED] Sample number [REDACTED] includes GC raw data sheets.
5. GC-MS raw data sheets for each of the above sample numbers.

GC-MS confirmatory testing for sample number [REDACTED] as performed by Kate A. Corbett and all other testing was performed by Daniela Frasca. GC-MS confirmatory testing for sample numbers [REDACTED] and [REDACTED] was performed by Annie Khan (Dookhan) and all other testing was performed by Daniela Frasca. GC-MS confirmatory testing for sample number [REDACTED] was performed by Della Saunders and all other testing was performed by Kate A. Corbett. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

Daniela Frasca
Chemist II
Drug Analysis Lab
Jamaica Plain, MA 02130
(617) 983-6631

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours

8:00 - 11:00

2:00 - 4:00

Amherst Hours

9:00 - 12:00

1:00 - 3:00

DRUG RECEIPT

City or Department: Brockton Police Department Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: DONOHUE, PATRICK S 380 DOC # R010225

Defendant(s) Name (last,first,initial):
[REDACTED]

To be completed by Submitter
Description of Items Submitted

To be completed by Lab Personnel
Gross Weight Lab Number

1) PLASTIC BAG UNK WHITE ROCK (QTY: 1) (S16061)	10.48g	[REDACTED]

Received By: [Signature]

Date: 6.6.08

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours

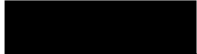
8:00 - 11:00
2:00 - 4:00

Amherst Hours


9:00 - 12:00
1:00 - 3:00

DRUG RECEIPT

City or Department: Brockton Police Department

Police Reference No.: 

Name and Rank of Submitting Officer: DONOHUE, PATRICK S 380 DOC # R010255

Defendant(s) Name (last,first,initial):



To be completed by Submitter
Description of Items Submitted

To be completed by Lab Personnel
Gross Weight Lab Number

1) PLASTIC BAGS UNK WHITE ROCK (QTY: 2)
PLASTIC BAG UNK WHITE ROCK (S16098)

10.66 gm



Received By: 

Date: *6-6-08*

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 - 11:00

2:00 - 4:00

Amherst Hours

9:00 - 12:00

1:00 - 3:00

DRUG RECEIPT

City or Department: Brockton Police Department

Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: DONOHUE, PATRICK S 380 DOC # R010331

Defendant(s) Name (last,first,initial):
[REDACTED]

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight

Lab Number

1) PLASTIC BAGS UNK WHITE ROCK (QTY: 2)
PLASTIC BAG UNK WHITE ROCK (S16125)

10.72g

Received By: Eto

Date: 6-19-08

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Boston Hours

8:00 - 11:00

2:00 - 4:00

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Amherst Hours

9:00 - 12:00

1:00 - 3:00

DRUG RECEIPT

City or Department: Brockton Police Department

Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: DONOHUE, PATRICK S 380 DOC # R010415

Defendant(s) Name (last,first,initial):
[REDACTED]

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight

Lab Number

1) PLASTIC BAGS UNK WHITE ROCK (QTY: 2)
PLASTIC BAG UNK WHITE ROCK (S16167)

10.53g

Received By: [Signature]

Date: 7-10-08

Curriculum Vitae

Daniela Frasca

Education

Boston University School of Medicine, Boston MA

Currently enrolled in the Biomedical Forensic Science MS Program

Suffolk University, Boston, MA

Graduated in 05/1996 and received a Bachelor of Science in Biochemistry

EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA 01/2001 – present

Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA

09/1996 – 10/2001

Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

Additional Training

Northeastern Association of Forensic Scientists

Designer Drugs

Clandestine labs

Agilent Instruments and Software

Digital Photography

McCrone Research Institute

Forensic Polarized Microscopy

Polarized Microscopy of Illicit Drugs and Excipients

Massachusetts State Laboratory Institute

Expert Witness

Raman Spectrophotometer

Associations and Programs

- Northeastern Association of Forensic Scientists (NEAFS) 2001 - present
- The International Association of Forensic Toxicologists (TIAFT) 2003 - present
- The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT) 2003 - present
- Massachusetts State Science Fair Judge 2000 - present
- Middle School State Science Fair Judge 2006 - present
- Volunteer Science Project Mentor/Tutor 2003 - present
for the TTT Mentor Program

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, January 2004.

*Responsible for the identification of drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals.

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

Curriculum Vitae

Della Saunders

Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts

No. [REDACTED]

Date Analyzed:

City: Brockton Police Dept.

Officer: Detective PATRICK DONOHUE

Def [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 06/06/2008

No. Analyzed:

Gross Wt.: 10.49

Net Weight:

Cocaine Base

Tests:

(15)

Prelim: *Cocaine*

Findings:

Cocaine 2KAC

No. [REDACTED]

Date Analyzed: 09-10-08

City: Brockton Police Dept.

Officer: Detective PATRICK DONOHUE

Def: [REDACTED]

Subst: SUB

Amount:

No. Cont: 2 Cont: pb

Date Rec'd: 06/06/2008

Gross Wt.: 10.66

No. Analyzed: 1

Net Weight: 3.27g

1 analyzed
Tests: 7

Cocaine Base

(K)

1 ASD

Prelim: Cocaine

Findings: Cocaine

No. [REDACTED]

Date Analyzed: 09-10-08

City: Brockton Police Dept.

Officer: Detective PATRICK DONOHUE

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 06/19/2008

No. Analyzed: 1 *[initials]*

Gross Wt.: 10.72

Net Weight: 3.28g

Cocaine Base

Tests: 7 *[initials]*

2ASD

Prelim: *Cocaine* *(R)*

Findings: *Cocaine*

No. [REDACTED] Date Analyzed: OCT 06 2008
City: Brockton Police Dept.
Officer: Detective PATRICK DONOHUE
Def: [REDACTED]

Amount: Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 07/10/2008

Gross Wt.: 10.53

No. Analyzed: 2
Total Net Weight: 6.37g
Tests: 17KAC
+4 ABF

Prelim: (K) Cocaine

Findings: Cocaine Base

DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Brockton

ANALYST

VAB

PHYSICAL DESCRIPTION:

Ev. Meck

Substance in 1 PB

Gross wt: 6.8581g

Marg —

Prod —

Net wt: 6.6860g

Meck —

Cobalt —, + Meck

Gold +

TLTA —, + Meck

IR: ⊕ Cocaine base (9/5/08)

PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

8/20/08

GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

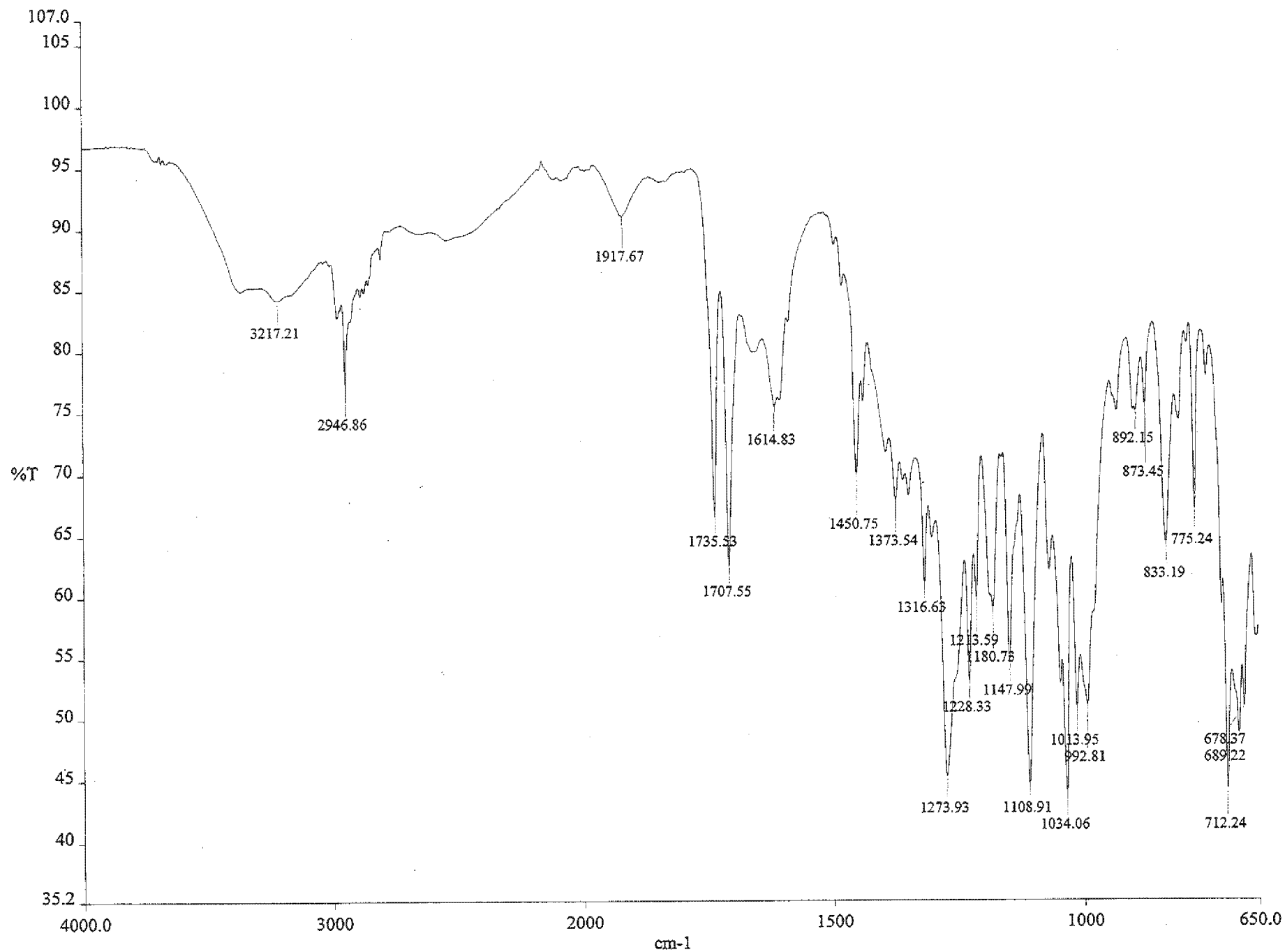
MS

OPERATOR

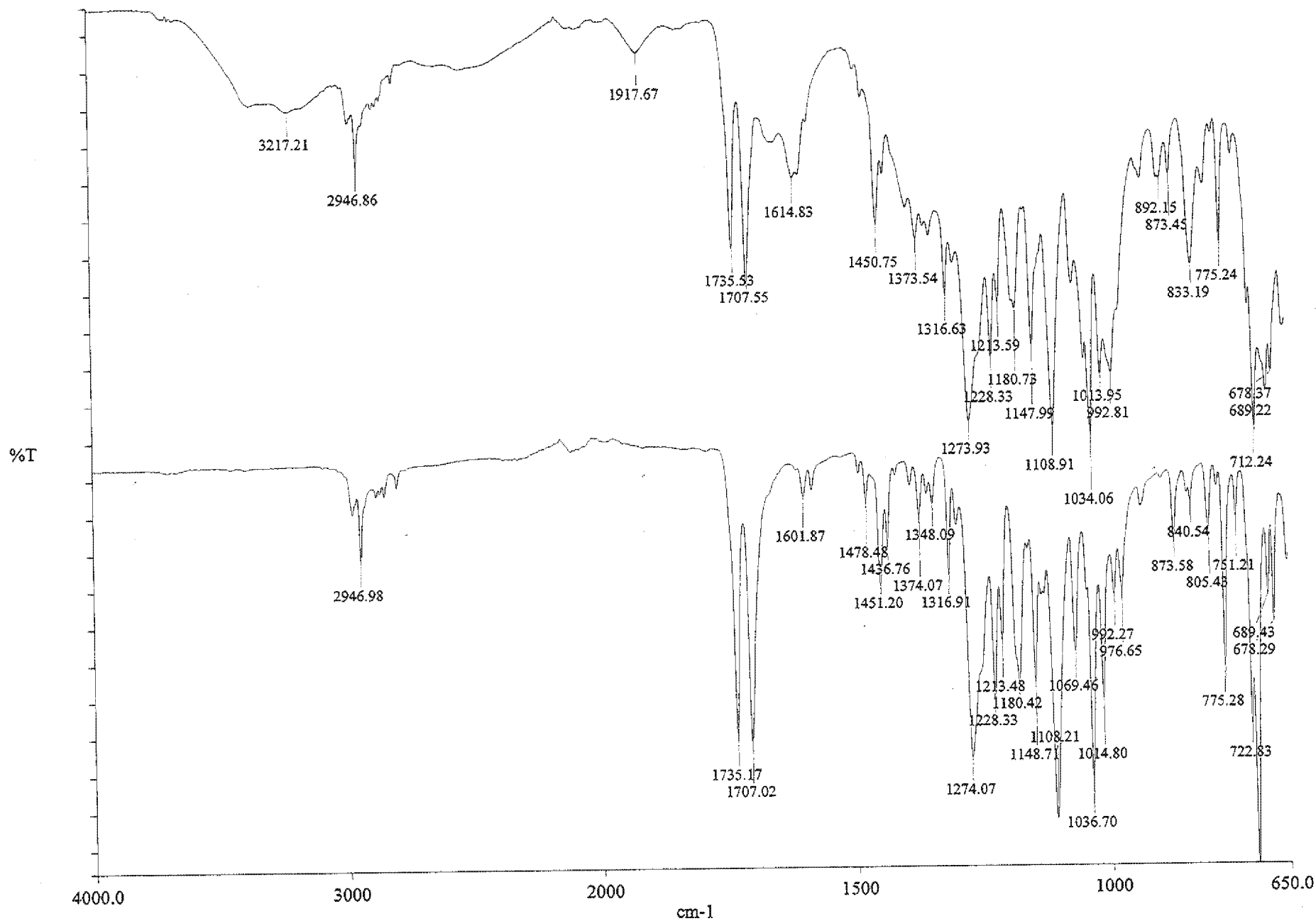
14AC

DATE

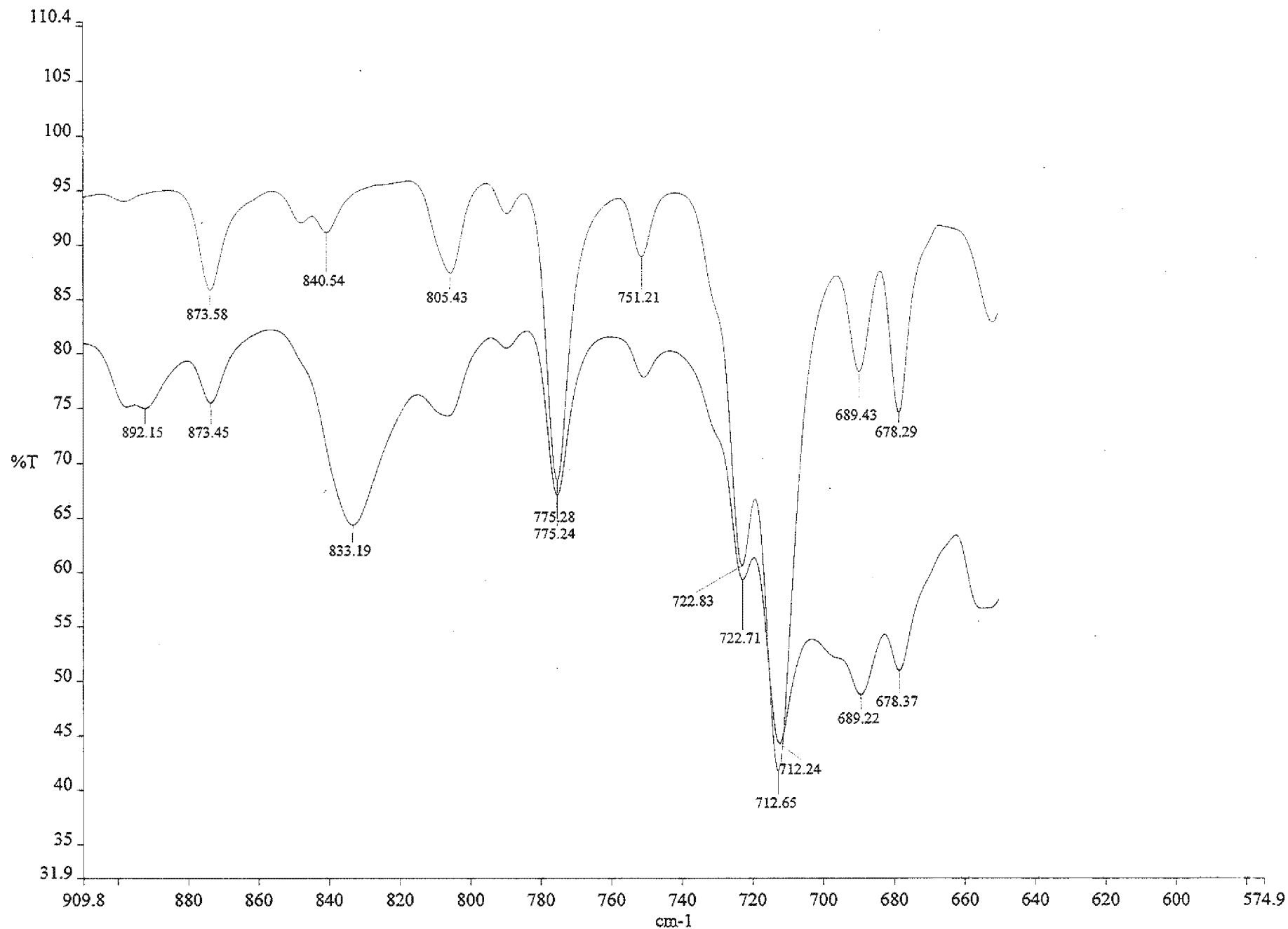
8/22/08



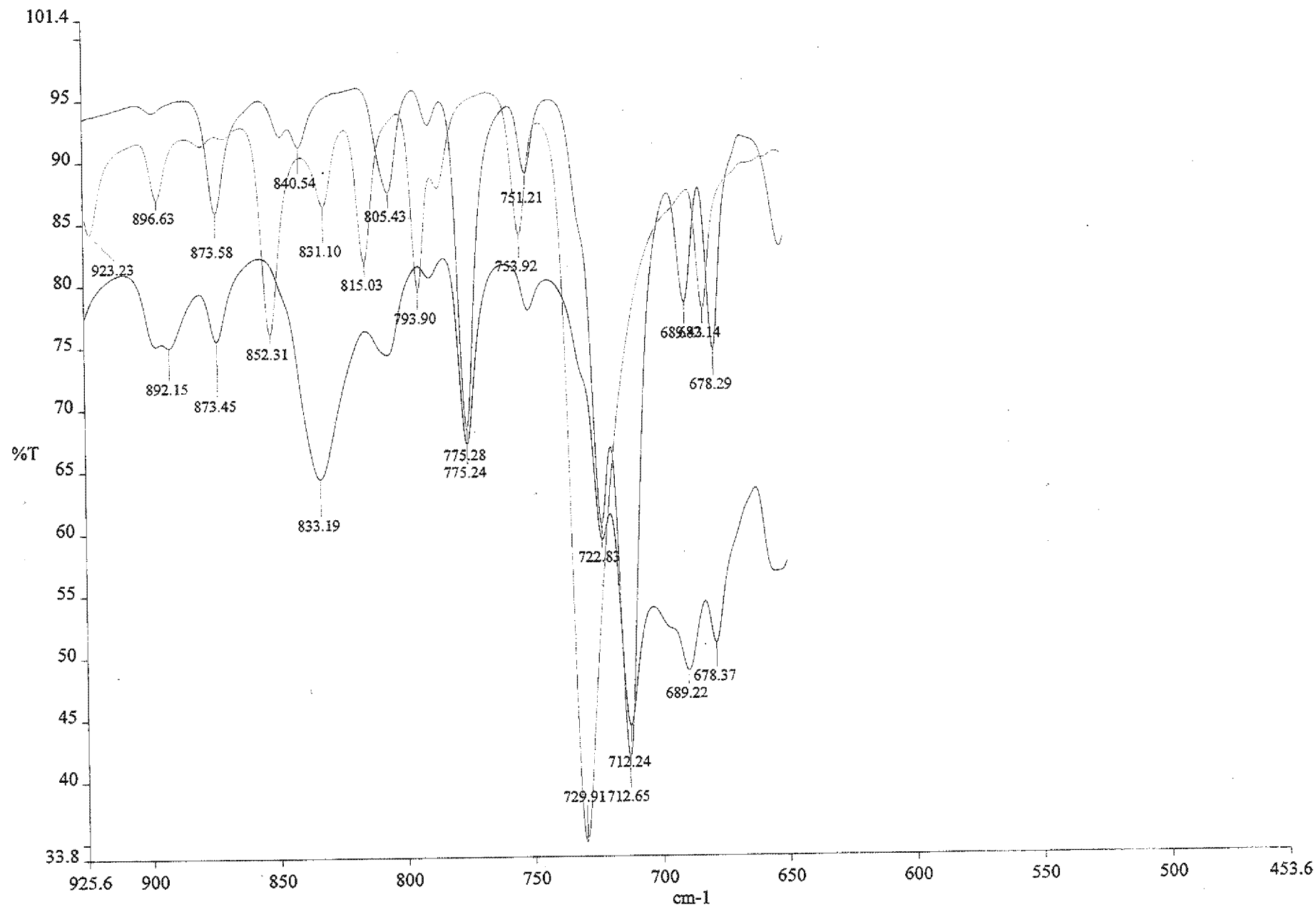
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____ c:\pel_data\spectra\[redacted] p - Brockton #: [redacted] (no cleanup)
____ c:\pel_data\spectra\standards\cocaine bas [redacted] QC FTIR



c:\pel_data\spectra\ - Brockton # (no cleanup)
c:\pel_data\spectra\standards\cocaine QC FTIR



_____ c:\pel_data\spectra\Brockton # [redacted] (no cleanup)
 _____ c:\pel_data\spectra\standards\cocaine base [redacted] - QC FTIR
 _____ c:\pel_data\spectra\standards\cocaine hcl st [redacted] - QC FTIR

SEARCH REPORT

Date: Fri Sep 05 2008

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Library: C:\pel_data\libs\DL.idx

Euclidean Hit List:

0.727 DL1744 COCAINE (SYNTHESIZED CRACK)

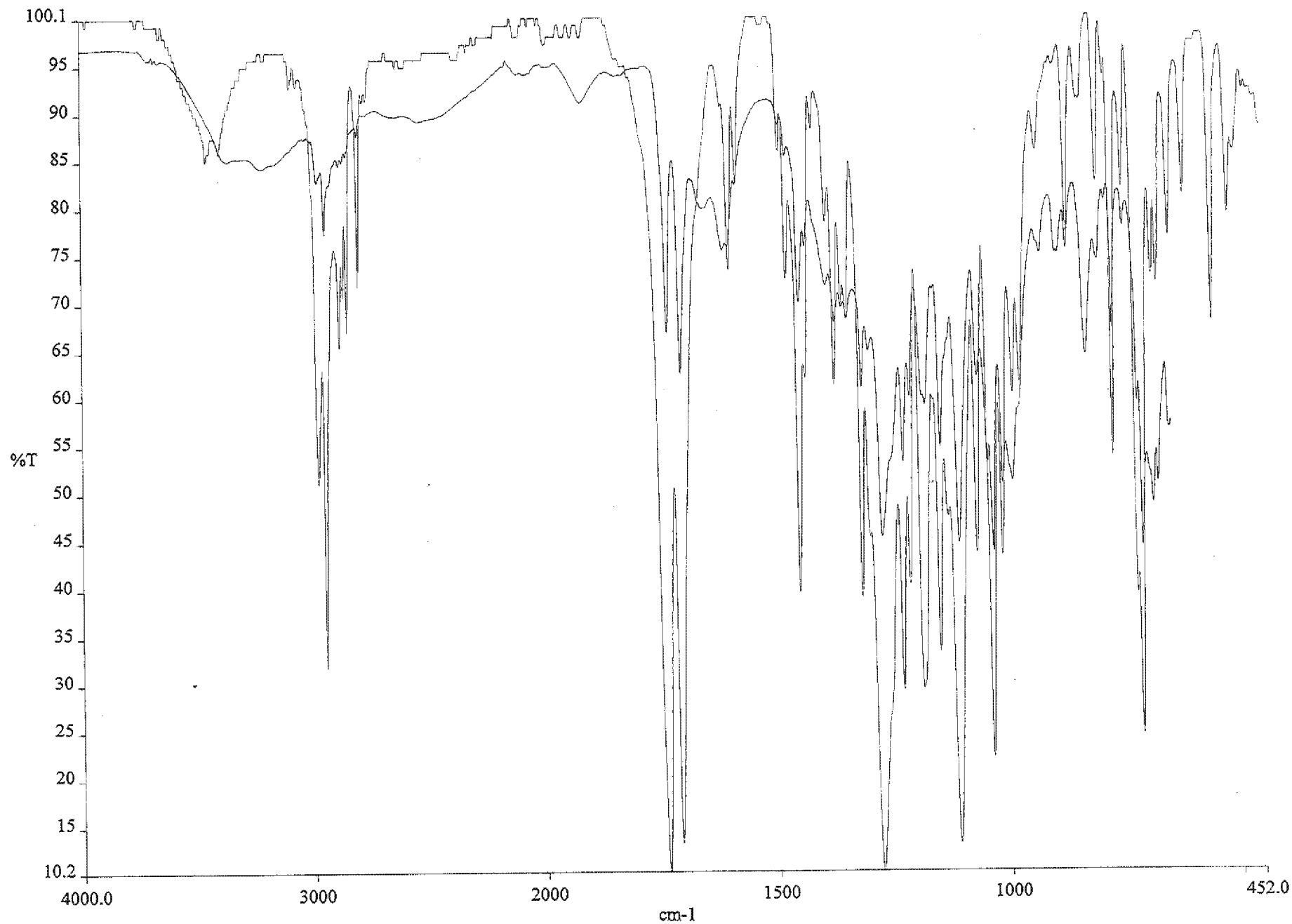
0.718 DL0178 COCAINE IN KBr

0.557 DL0209 COCAINE HCl IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

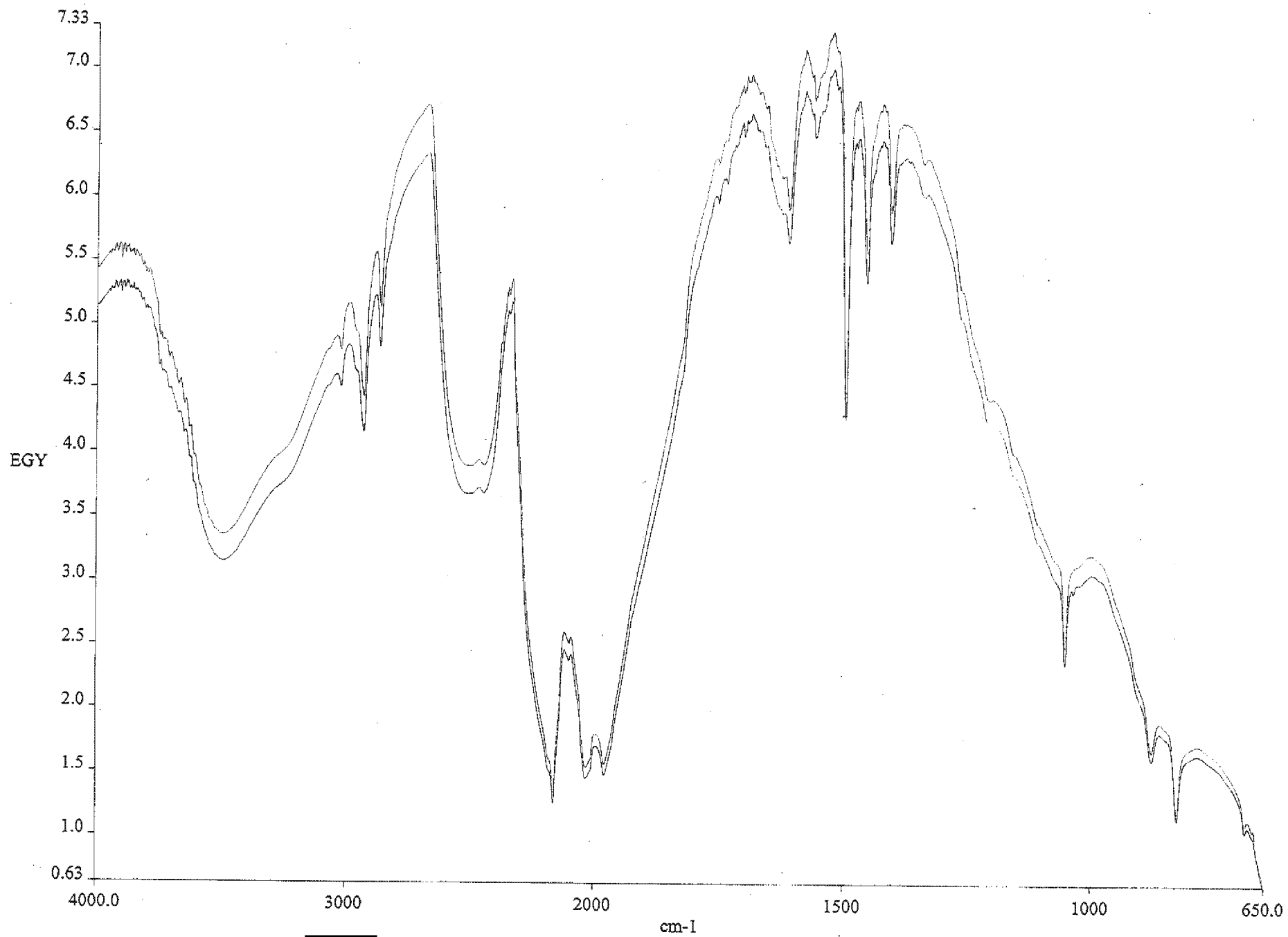
Selected Range: 4000.00 - 652.00 cm⁻¹

No Blank Regions:

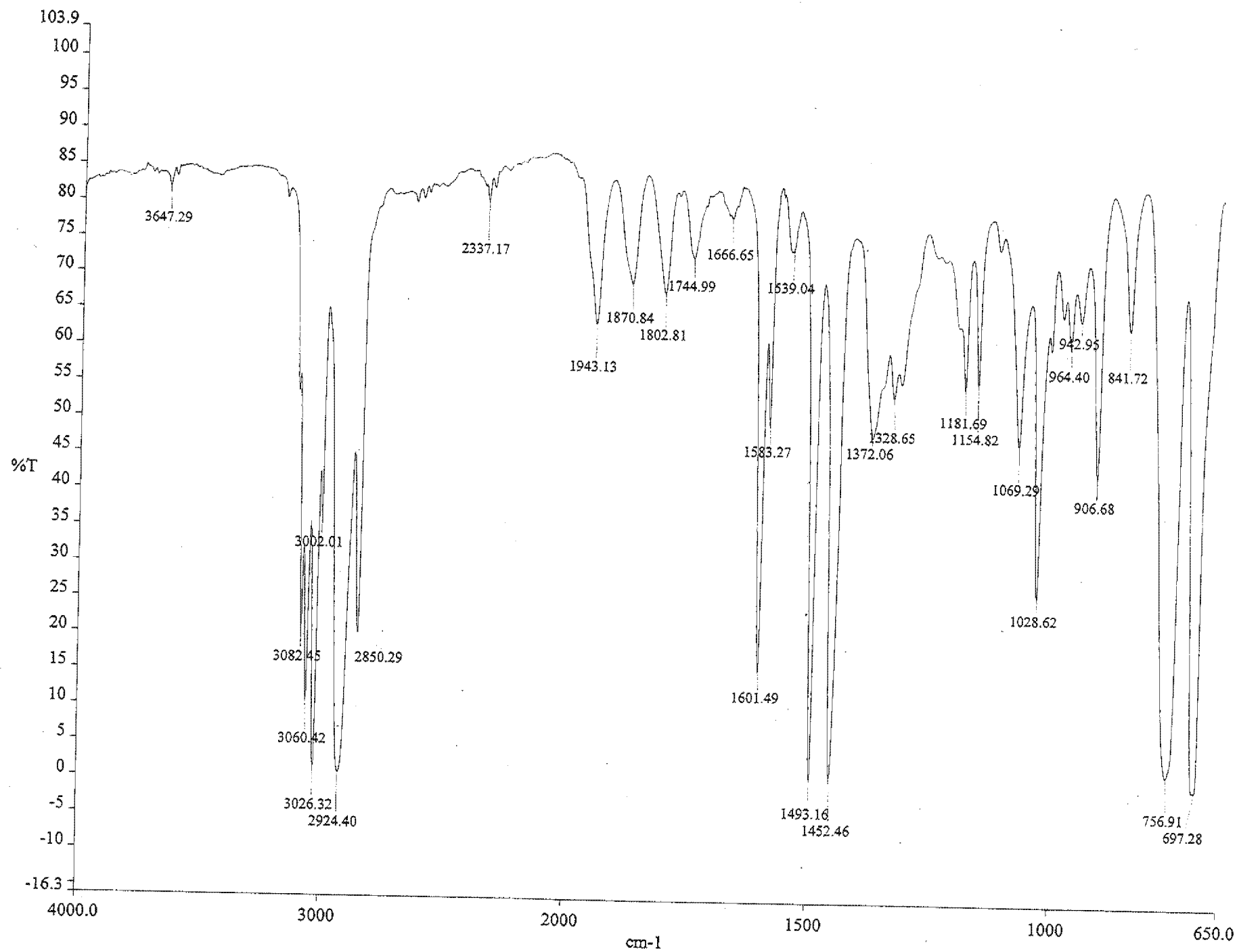
The Georgia State Crime Laboratory



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____ [redacted] - [redacted] COCAINE (SYNTHESIZED CRACK)



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____ c:\pel_data\spectra\bkgd [REDACTED] p



c:\pel_data\spectra\interm[REDACTED].sp

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Brockton

ANALYST

QND

PHYSICAL DESCRIPTION:

Ev. MOK

Substance in 2 PB

Marg -

Gross wt: 7.0329g

Fraed -

Meck -

Gross wt of
1 analyzed: 3.4889g

Cobalt -, +Maad

Gold +

Net wt of
1 analyzed: 3.2750g

TLTA -, +Maad

IR: ⊕ Cocaine Base

PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

9/5/08

GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

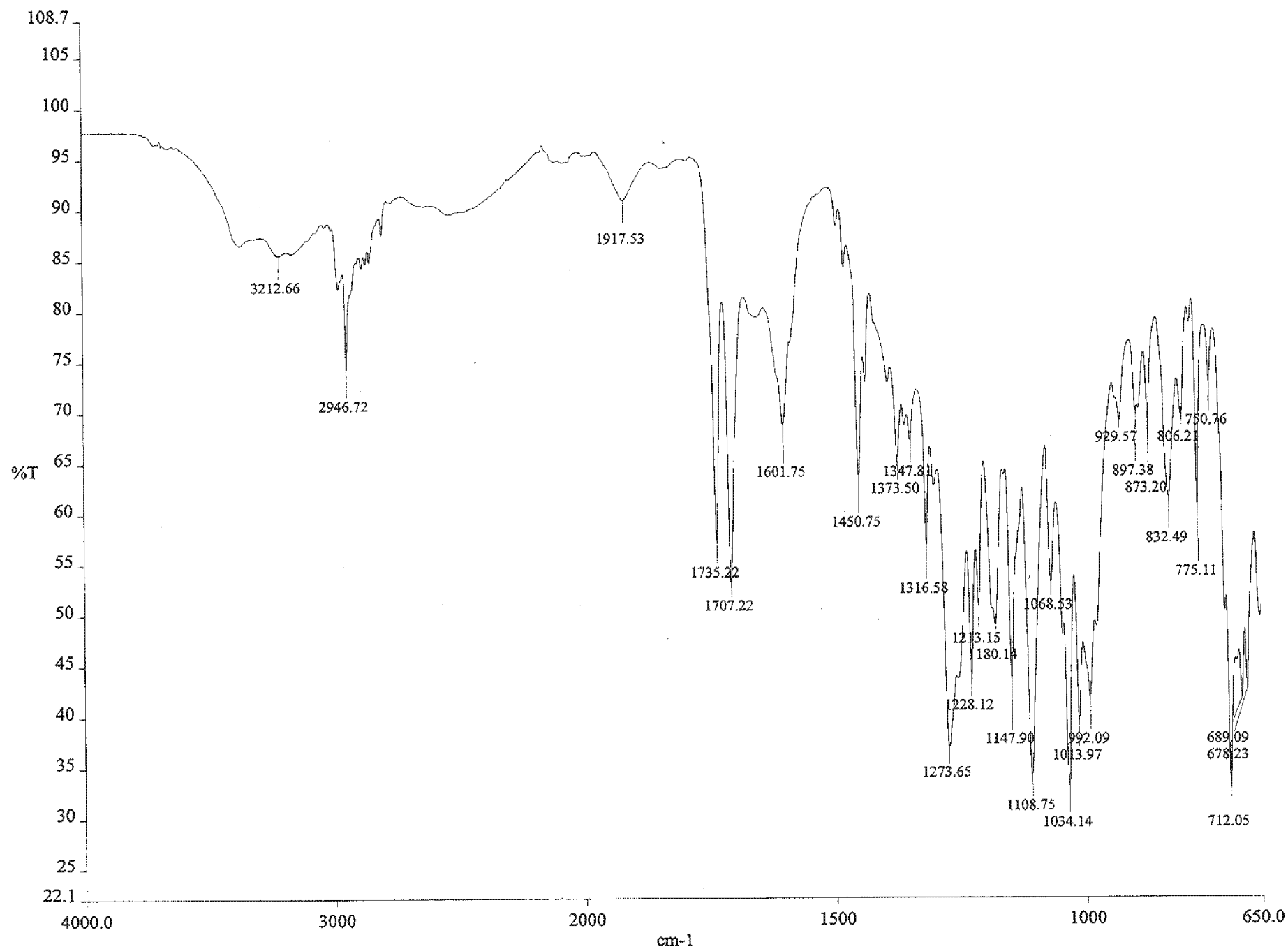
MS

OPERATOR

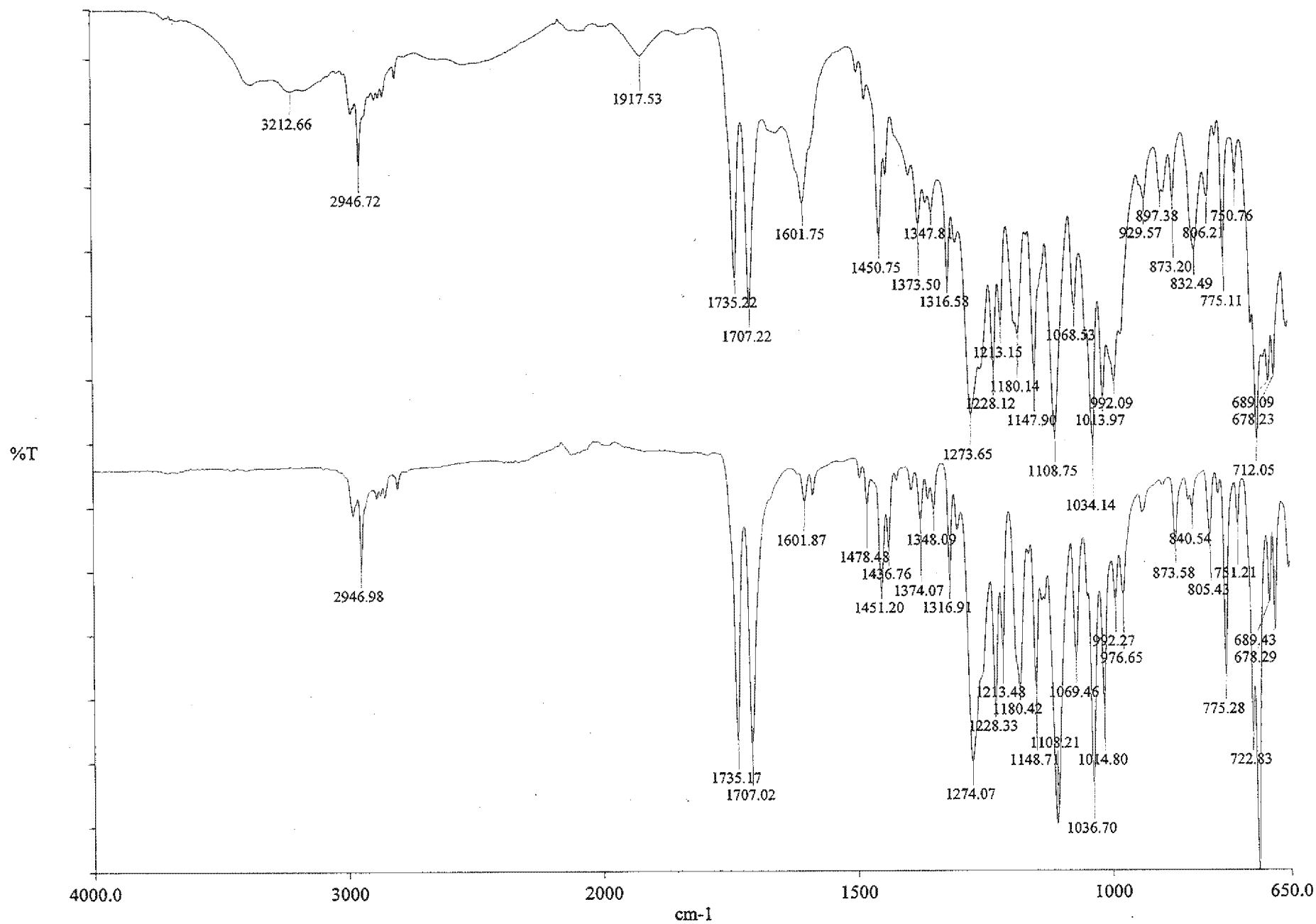
ASD

DATE

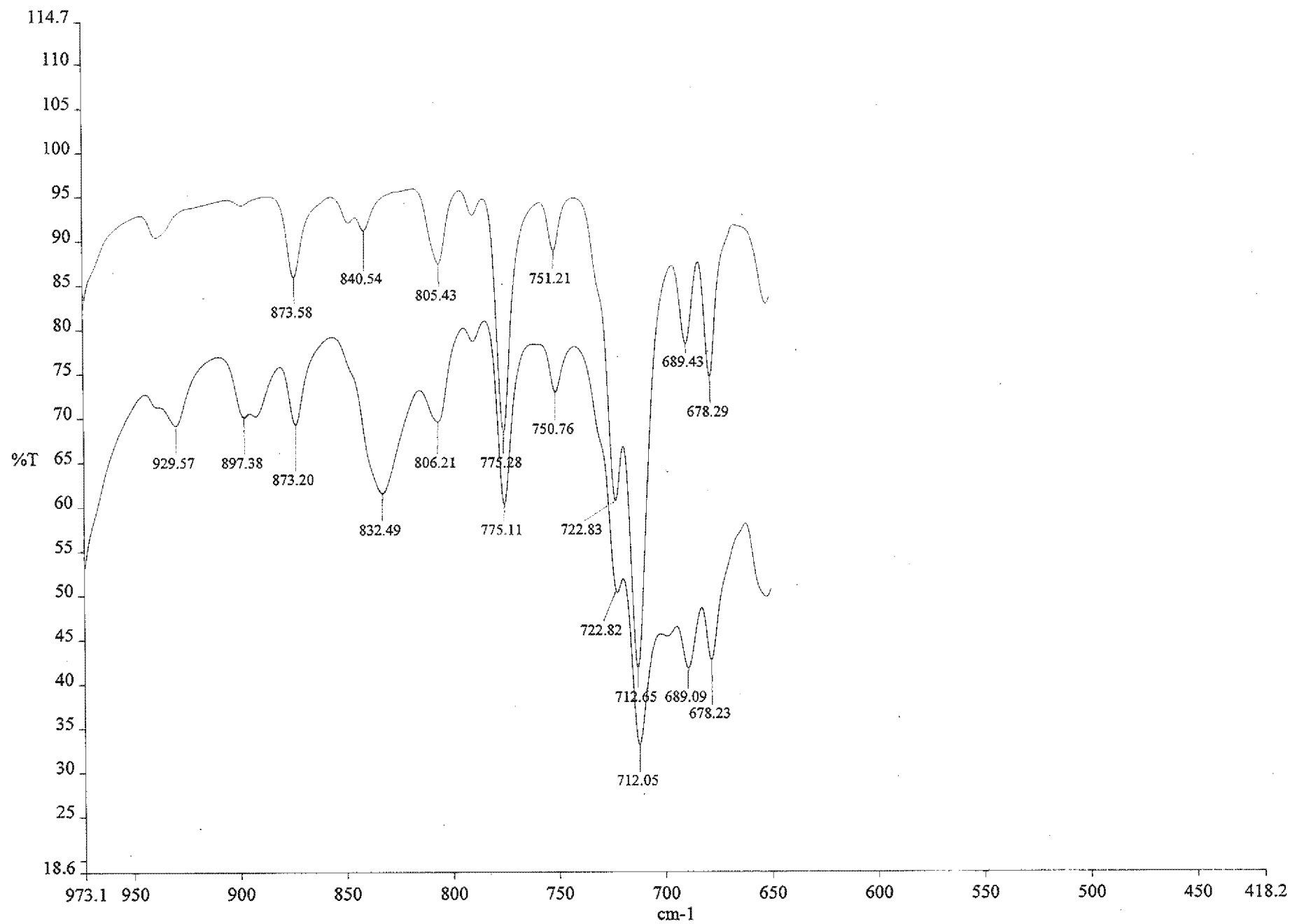
9/10/08



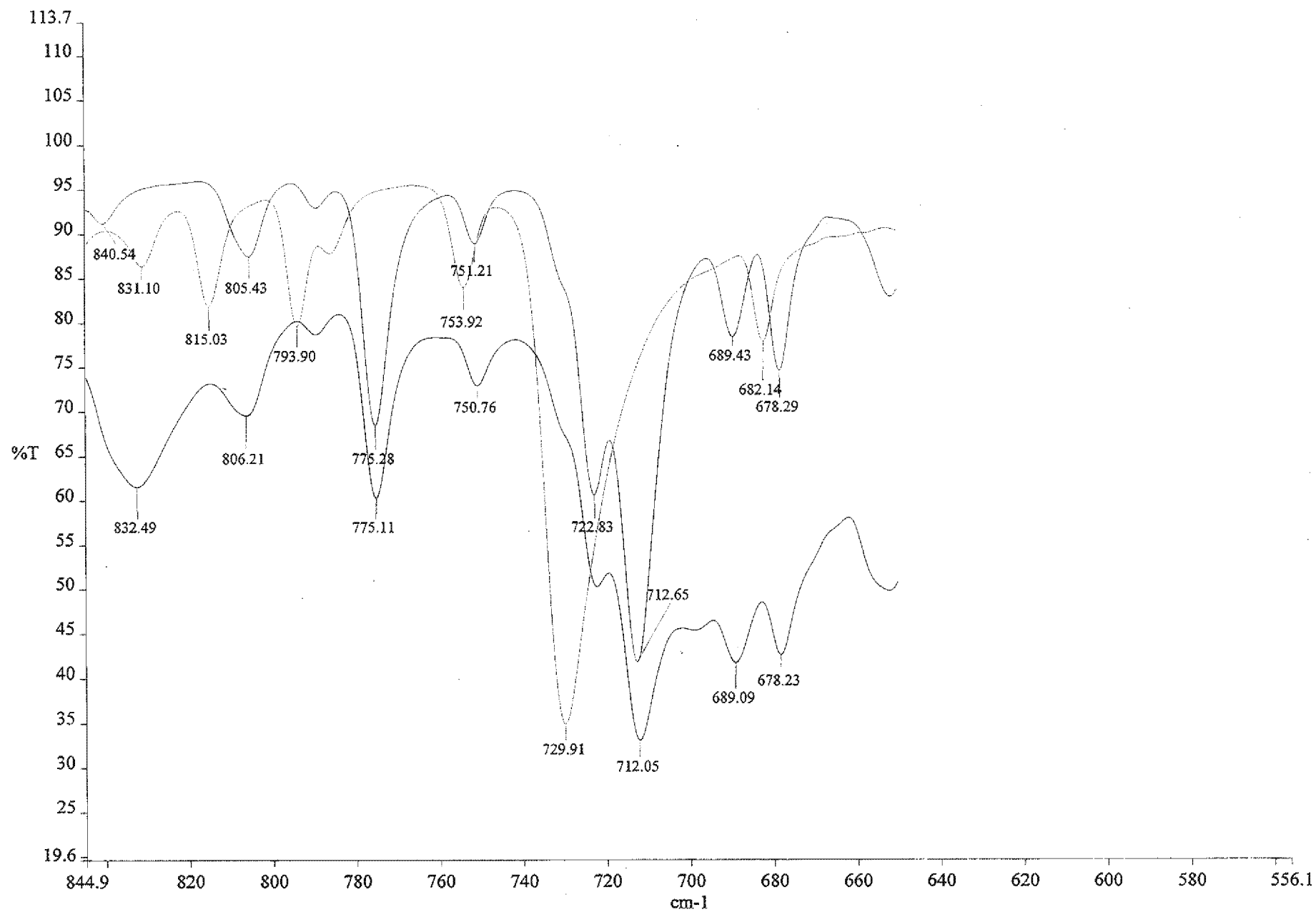
c:\pel_data\spectra\ sp - Brockton # (no cleanup)



c:\pel_data\spectra\[redacted] sp - Brockton #: [redacted] (no cleanup)
c:\pel_data\spectra\standards\cocaine base [redacted] sp - QC FTIR



----- c:\pel_data\spectra\[redacted] Brockton # [redacted] (no cleanup)
_____ c:\pel_data\spectra\standards\cocaine base [redacted] QC FTIR



____ c:\pel_data\spectra\ [redacted] Brockton # [redacted] (no cleanup)
____ c:\pel_data\spectra\standards\cocaine ba [redacted] - QC FTIR
..... c:\pel_data\spectra\standards\cocaine hcl [redacted] - QC FTIR

SEARCH REPORT

Date: Fri Sep 05 2008

Unknown: C:\pel_data\spectra\

Library: C:\pel_data\libs\DL.idx

Euclidean Hit List:

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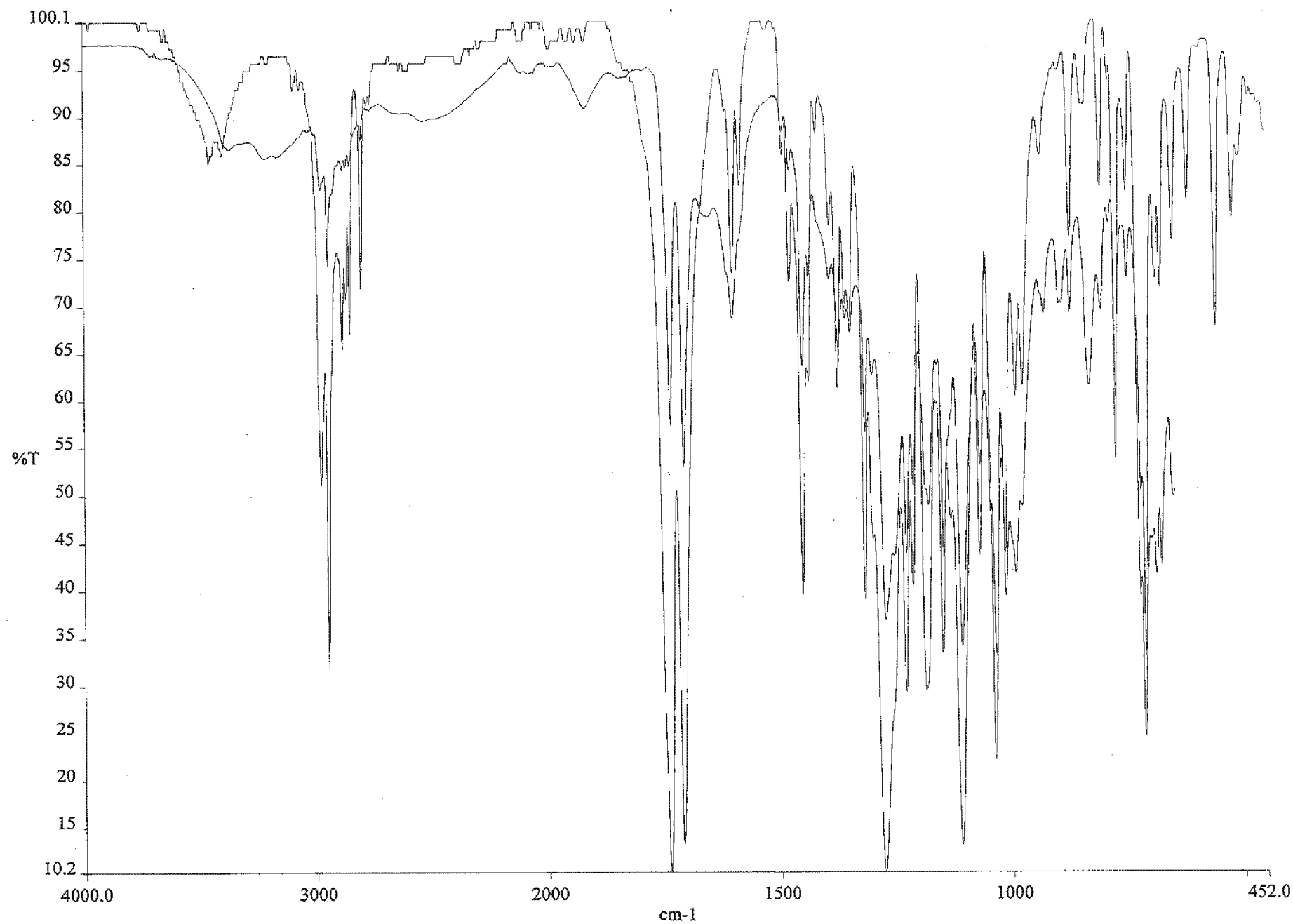
0.744 DL0178 COCAINE IN KBr

0.582 DL0209 COCAINE HCl IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

Selected Range: 4000.00 - 652.00 cm⁻¹

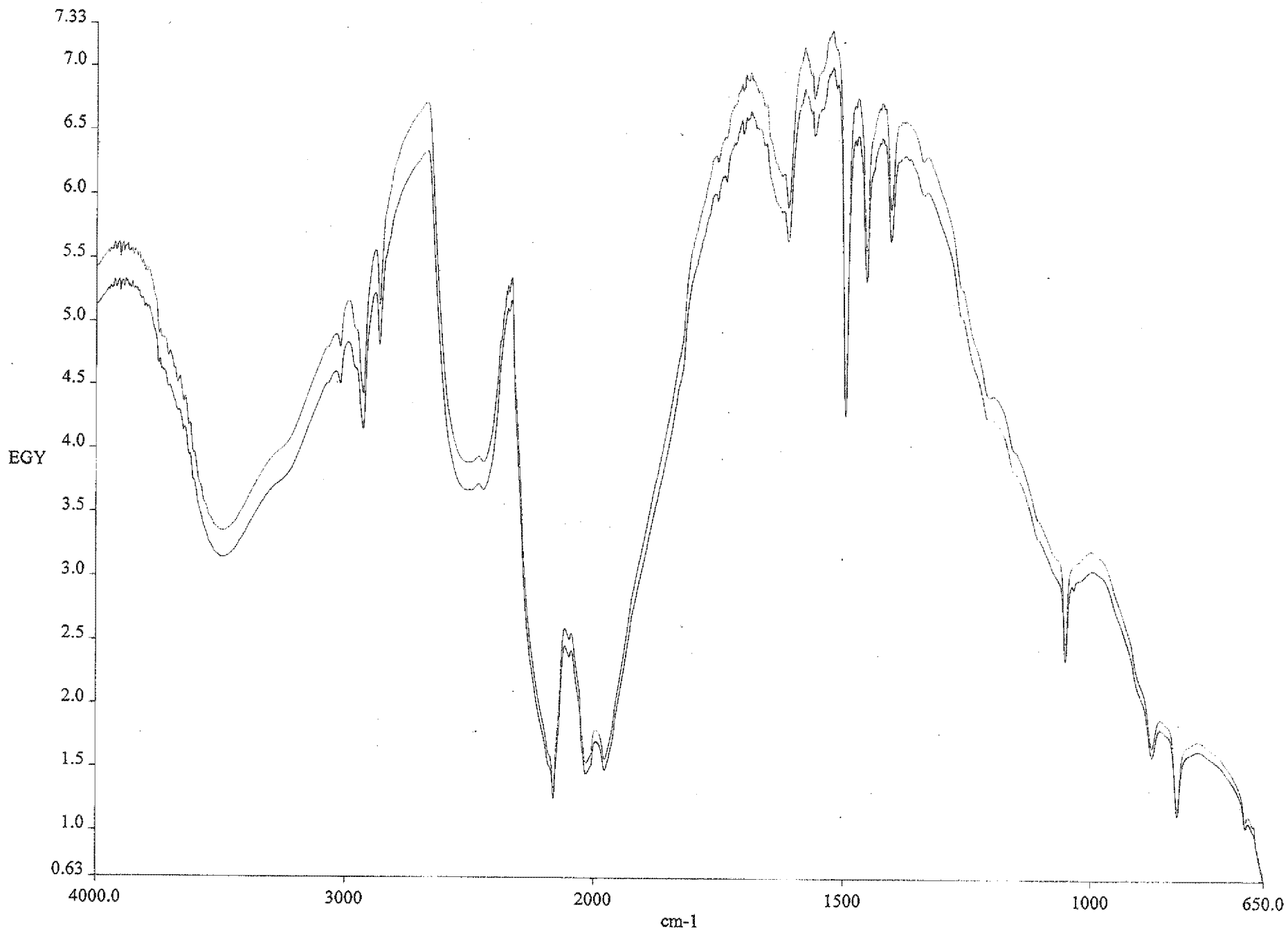
No Blank Regions:

The Georgia State Crime Laboratory

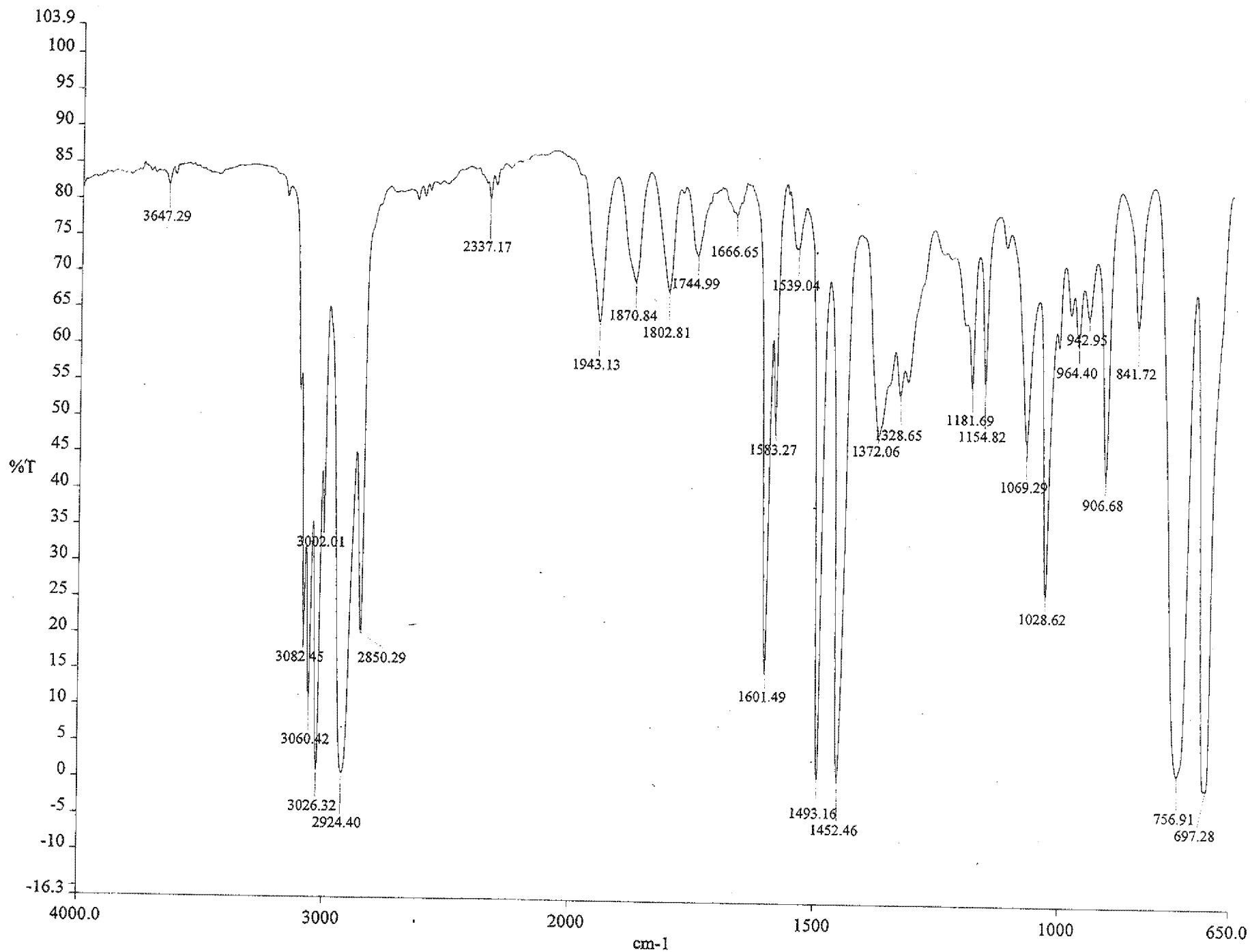


____ c:\pel_data\spectra\ [redacted] p - Brockton #: [redacted] (no cleanup)

____ dl1744.sp - DL1744 COCAINE (SYNTHESIZED CRACK)



____ c:\pel_data\spectra\bkgd [REDACTED]
----- c:\pel_data\spectra\bkgd [REDACTED]



c:\pel_data\spectra\internal polystyrene [redacted] sp

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Brockton ANALYST PM

PHYSICAL DESCRIPTION:

EV. MCK

Substance in 2 PB

Marg —

Gross Wt: 7.1053g

Froed —

Gross Wt of
1 analyzed: 3.5498g

Meck —

Cobalt — + Wad Net Wt of

1 analyzed: 3.2831g

Gold +

TLTA —, + Wad

IR: ⊕ Cocaine Base

PRELIMINARY TEST RESULTS

RESULTS Cocaine

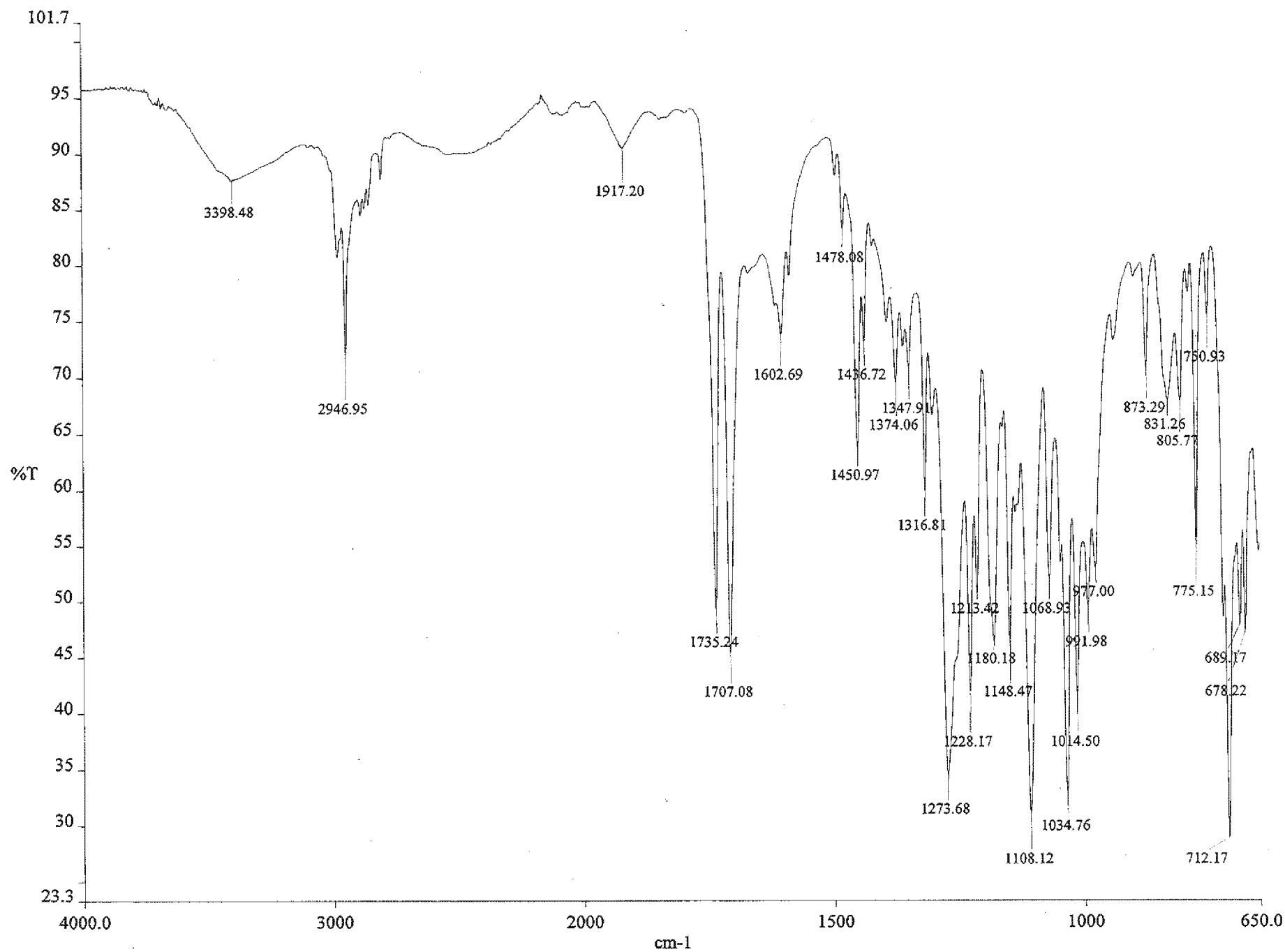
DATE 9/5/08

GC/MS CONFIRMATORY TEST

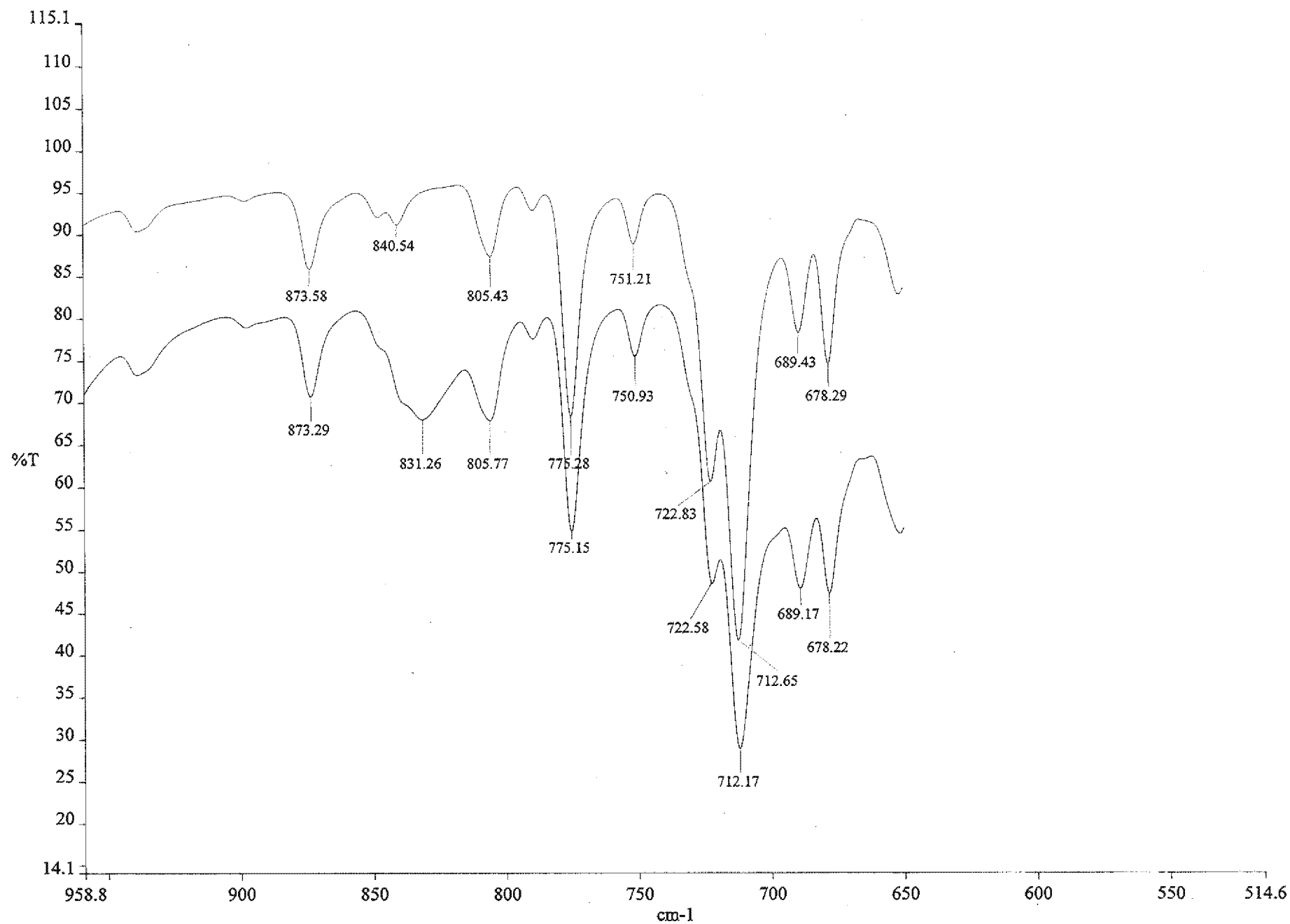
RESULTS Cocaine

MS
OPERATOR ASD

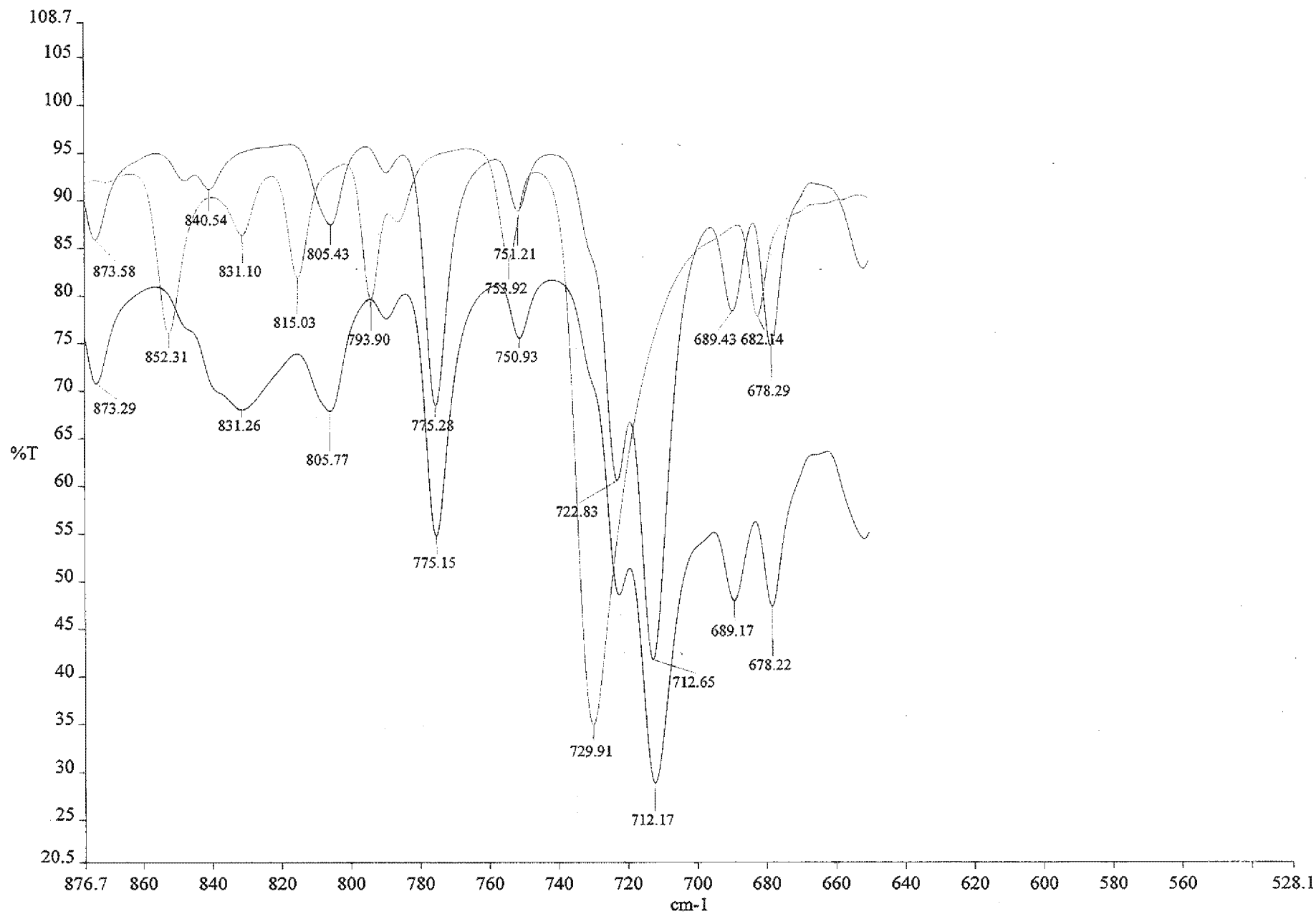
DATE 9/10/08



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____ c:\pel_data\spectra\sp - Brockton #: (no cleanup)
____ c:\pel_data\spectra\standards\cocaine base (no cleanup) QC FTIR



— c:\pel_data\spectra\ [redacted] - Brockton #: [redacted] (no cleanup)
- - - c:\pel_data\spectra\standards\cocaine base [redacted] - QC FTIR
... c:\pel_data\spectra\standards\cocaine hcl [redacted] - QC FTIR

SEARCH REPORT

Date: Fri Sep 05 2008

Unknown: C:\pel_data\spectr\sp

Library: C:\pel_data\libs\DL.idx

Euclidean Hit List:

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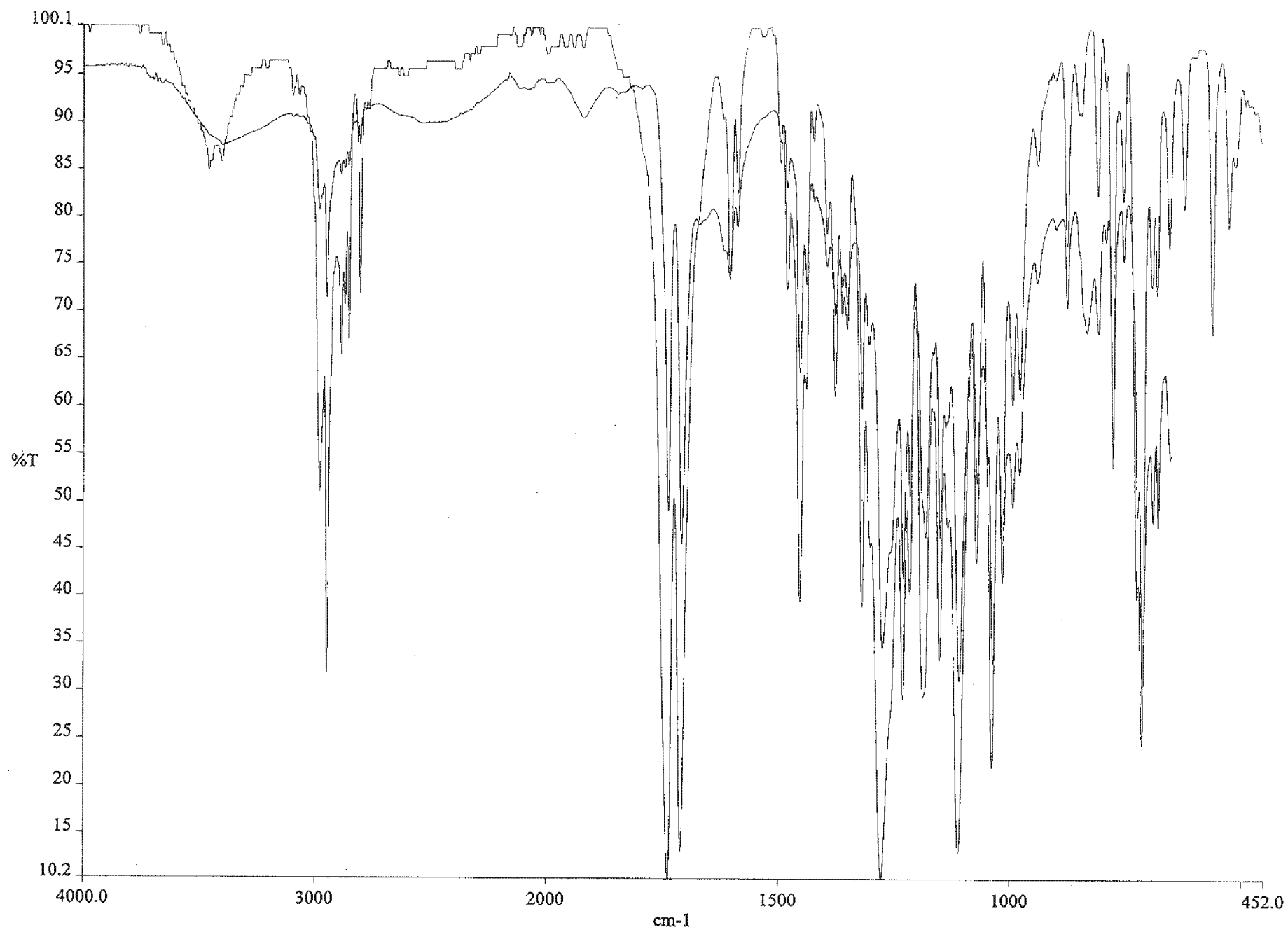
0.809 DL0178 COCAINE IN KBr

0.631 DL0209 COCAINE HCl IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

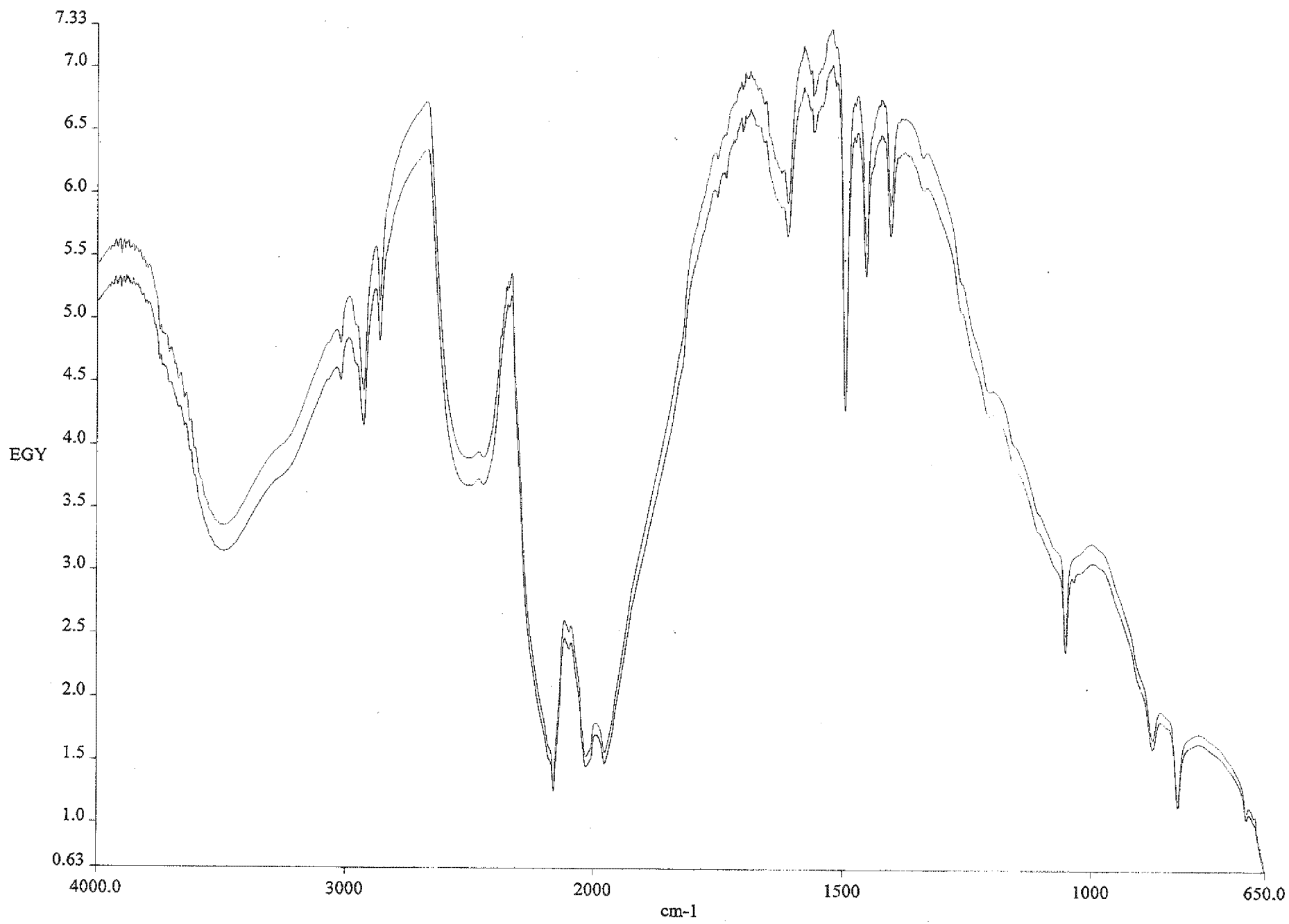
Selected Range: 4000.00 - 652.00 cm⁻¹

No Blank Regions:

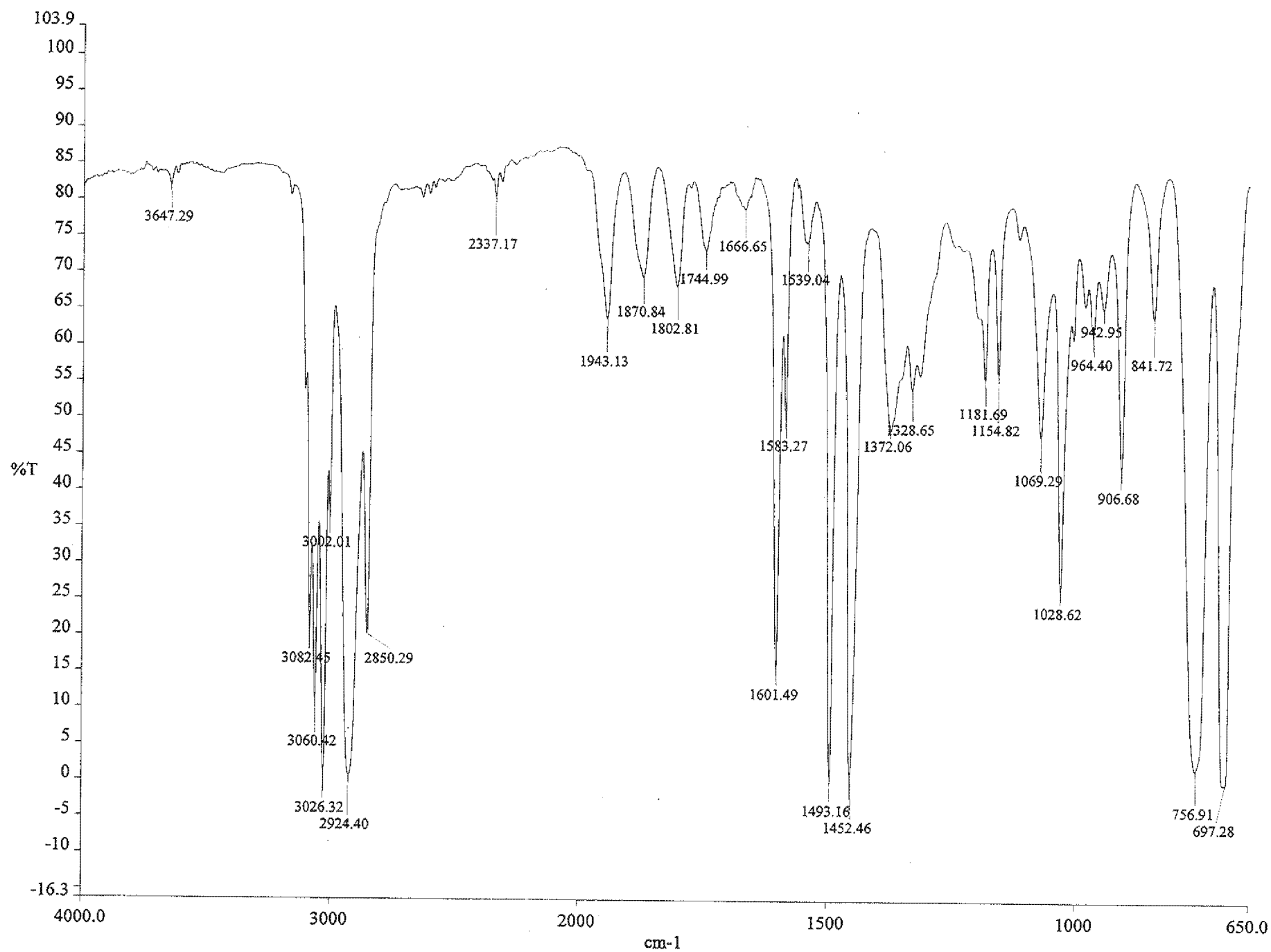
The Georgia State Crime Laboratory



_____ c:\pel_data\spectra\ [redacted] - Brockton [redacted] (no cleanup)
_____ dl1744.sp - DL1744 COCAINE (SYNTHESIZED CRACK)



—— c:\pel_data\spectra\bkg[REDACTED].sp
- - - c:\pel_data\spectra\bkg[REDACTED].sp



c:\pel_data\spectra\internal polystyrene.sp

DRUG POWDER ANALYSIS FORM

Balance VOK
mettler Toledo
SN# 1120073632

SAMPLE



AGENCY

Brockton

ANALYST

KAC

No. of samples tested: 2

Evidence Wt. OK

PHYSICAL DESCRIPTION:

2 similar pbs containing
an off-white rock-like
Substance

Gross Wt (2): 6.6542g

Gross Wt (): _____

Pkg. Wt: _____

Total
Net Wt: 6.3706g

PRELIMINARY TESTS

Spot Tests

2 Cobalt Thiocyanate (H⁺) +
2 Marquis -
2 Froehde's -
2 Mecke's -

10/2/08
1 IR = + Cocaine base
compared to cocaine
base std.

Microcrystalline Tests

2 Gold Chloride +
2 TLTA (H⁺) +

OTHER TESTS

2GC = + for Cocaine
Compared to cocaine std.

PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

10/1/08

GC/MS CONFIRMATORY TEST

RESULTS

Cocaine Base

MS
OPERATOR

DCS

DATE


10/6/08

Sample

samples tested: 2

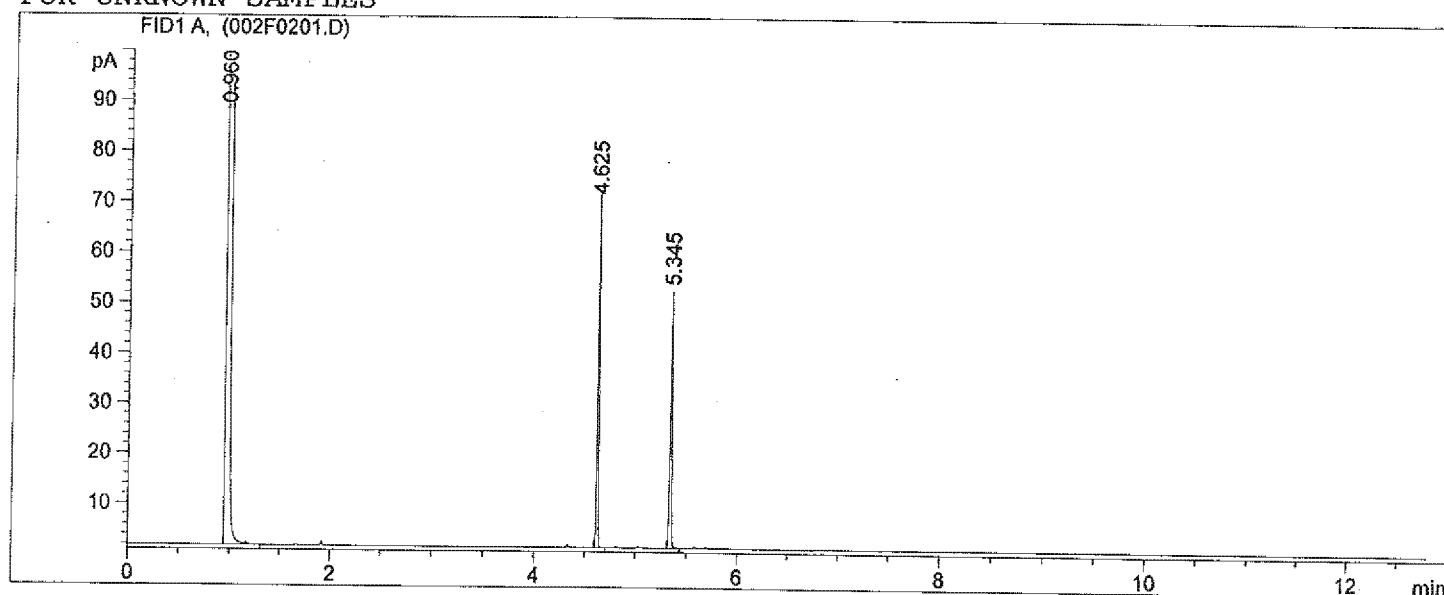
#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	3.4175g	0.1751g	3.2424g	26			
2	3.2369g	0.1087g	3.1282g	27			
3				28			
4	6.6544g	0.2838g	6.3706g	29			
5				30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

Calculations:

net wt VOK 10/1/08


```
=====
Injection Date   : 10/1/2008 2:08:39 PM          Seq. Line :    2
Sample Name      : COKE/COD STD                  Vial       :    2
Acq. Operator    : ASD                          Inj        :    1
                                                Inj Volume  : 1 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\DCS.S
Method           : C:\HPCHEM\1\METHODS\ROUTINE.M
Last changed     : 12/6/2007 5:35:10 PM by ASD
FOR UNKNOWN SAMPLES
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.960	PB S	0.0164	3.03514e4	2.84498e4	99.60111
2	4.625	BB	0.0148	63.83168	68.99838	0.20947
3	5.345	PB	0.0177	57.72102	51.02316	0.18942

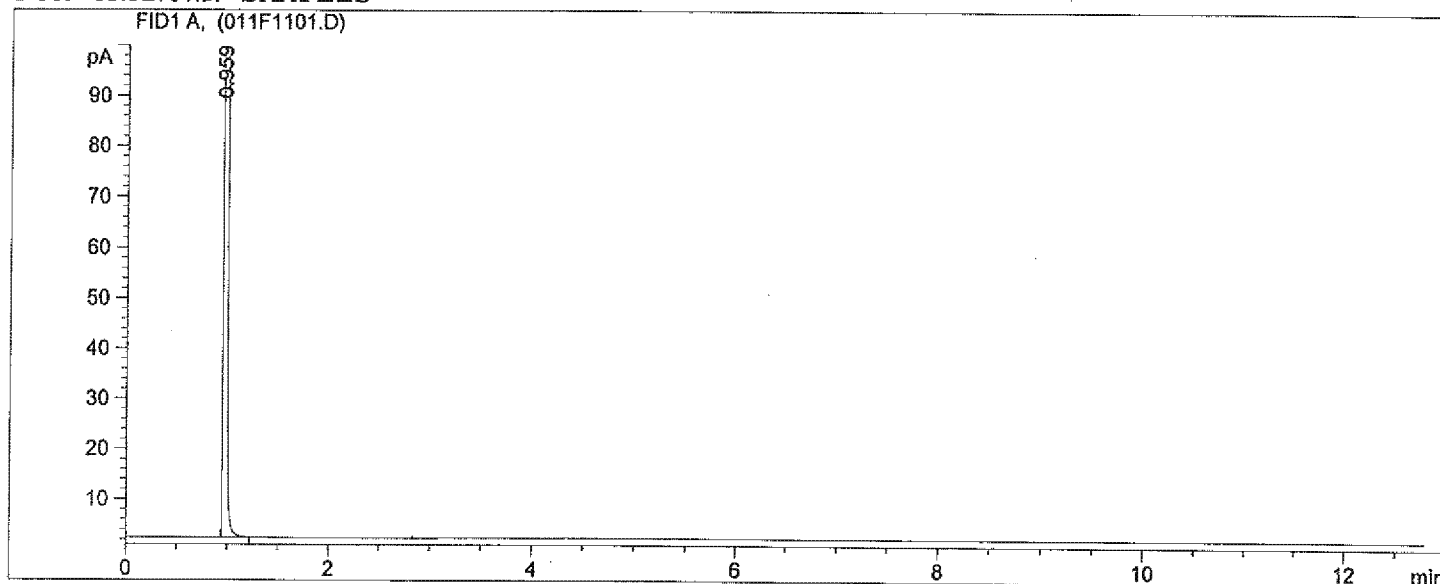
Totals : 3.04729e4 2.85699e4

Results obtained with enhanced integrator!

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=====
*** End of Report ***
=====
```

```
=====
Injection Date   : 10/1/2008 4:51:03 PM      Seq. Line :   11
Sample Name      : BLANK                      Vial       :   11
Acq. Operator    : ASD                       Inj         :    1
                                           Inj Volume  : 1 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\DCS.S
Method           : C:\HPCHEM\1\METHODS\ROUTINE.M
Last changed     : 12/6/2007 5:35:10 PM by ASD
FOR UNKNOWN SAMPLES
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.959	PB S	0.0164	3.24717e4	2.94450e4	1.000e2

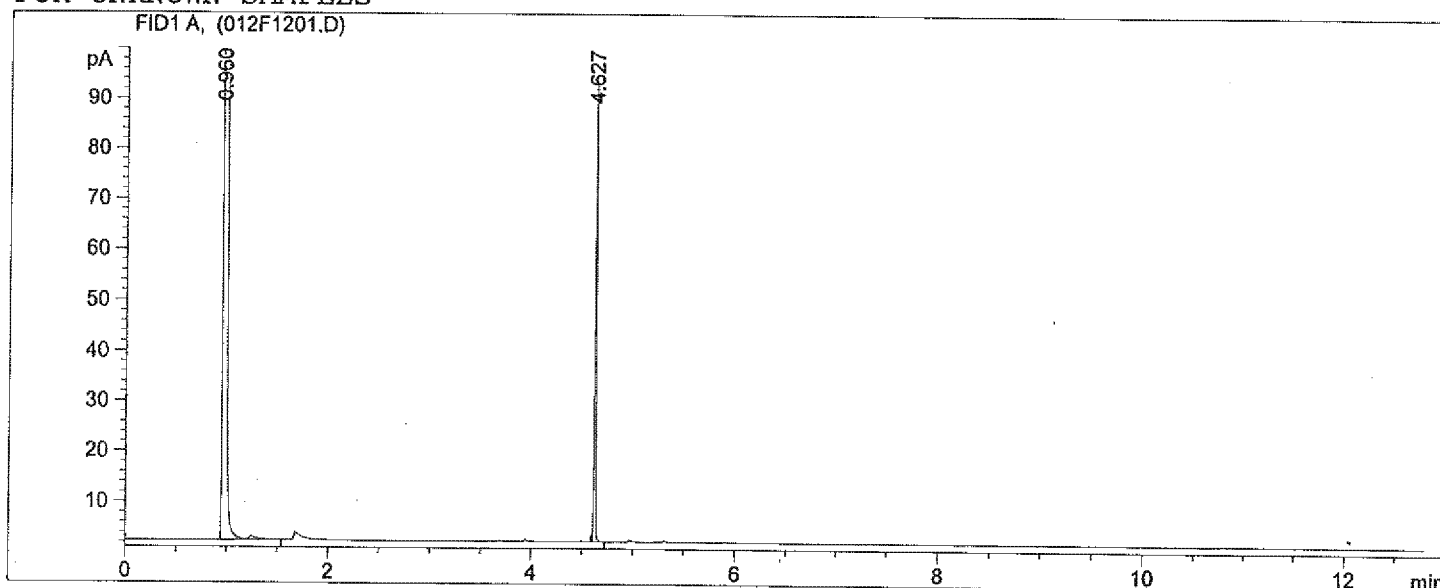
Totals : 3.24717e4 2.94450e4

Results obtained with enhanced integrator!

```
=====
*** End of Report ***
```

```
=====
Injection Date   : 10/1/2008 5:09:03 PM      Seq. Line :   12
Sample Name     : ██████████                Vial      :   12
Acq. Operator   : ASD                      Inj       :    1
                                           Inj Volume : 1 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\DCS.S
Method           : C:\HPCHEM\1\METHODS\ROUTINE.M
Last changed     : 12/6/2007 5:35:10 PM by ASD
FOR UNKNOWN SAMPLES
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.960	PB S	0.0159	3.08091e4	2.89144e4	99.71791
2	4.627	BB	0.0153	87.15491	90.37690	0.28209

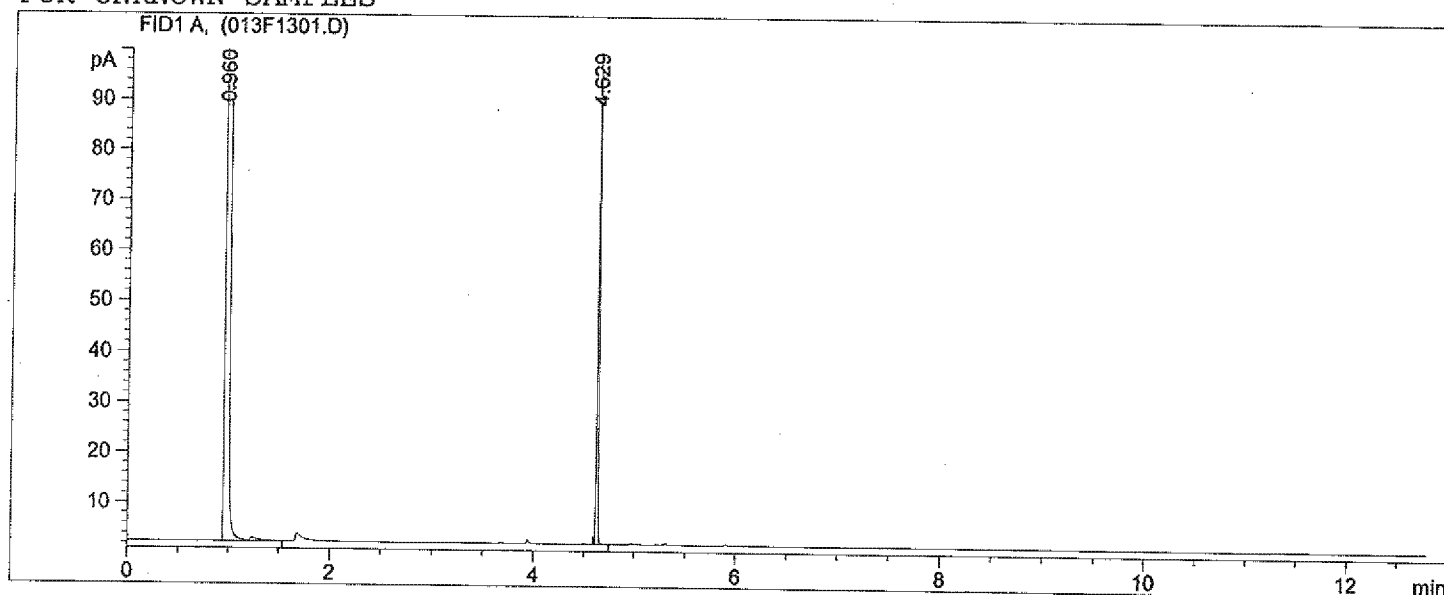
Totals : 3.08963e4 2.90047e4

Results obtained with enhanced integrator!

```
=====
*** End of Report ***
=====
```

```
=====
Injection Date   : 10/1/2008 5:27:12 PM          Seq. Line :   13
Sample Name      : ██████████                   Vial       :   13
Acq. Operator    : ASD                          Inj        :    1
                                                Inj Volume : 1 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\DCS.S
Method           : C:\HPCHEM\1\METHODS\ROUTINE.M
Last changed     : 12/6/2007 5:35:10 PM by ASD
FOR UNKNOWN SAMPLES
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
```

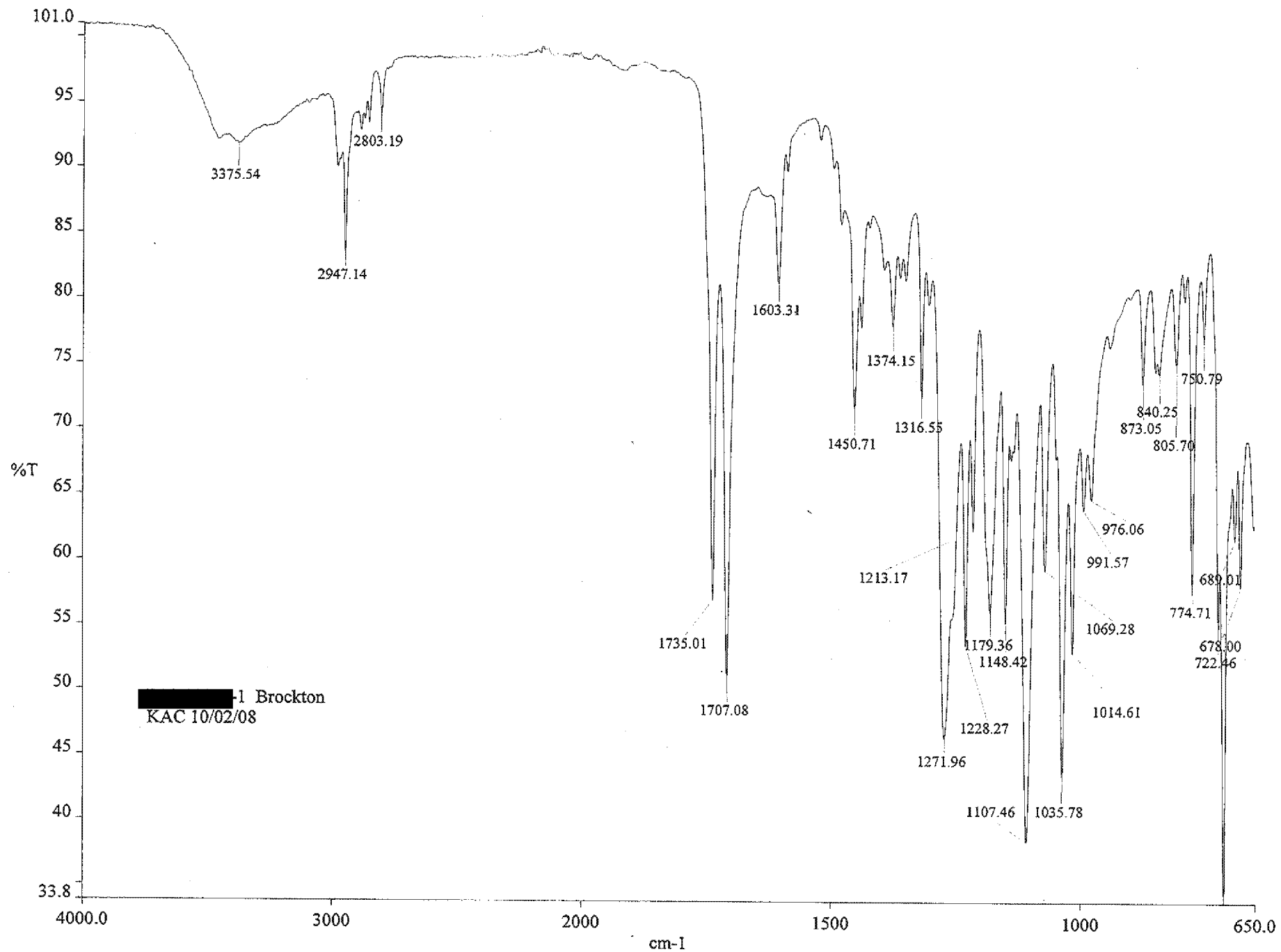
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.960	PB S	0.0161	3.11137e4	2.88470e4	99.66109
2	4.629	BB	0.0151	105.80450	110.74525	0.33891

Totals : 3.12195e4 2.89577e4

Results obtained with enhanced integrator!

```
=====
*** End of Report ***
=====
```



██████████-1 Brockton
KAC 10/02/08

c:\pel_data\spectra\██████████brockton.sp

SEARCH REPORT

Date: Thu Oct 02 2008

Unknown: C:\pel_data\spectra\████████████████████ Brockton.sp
Library: C:\pel_data\libs\DL.idx

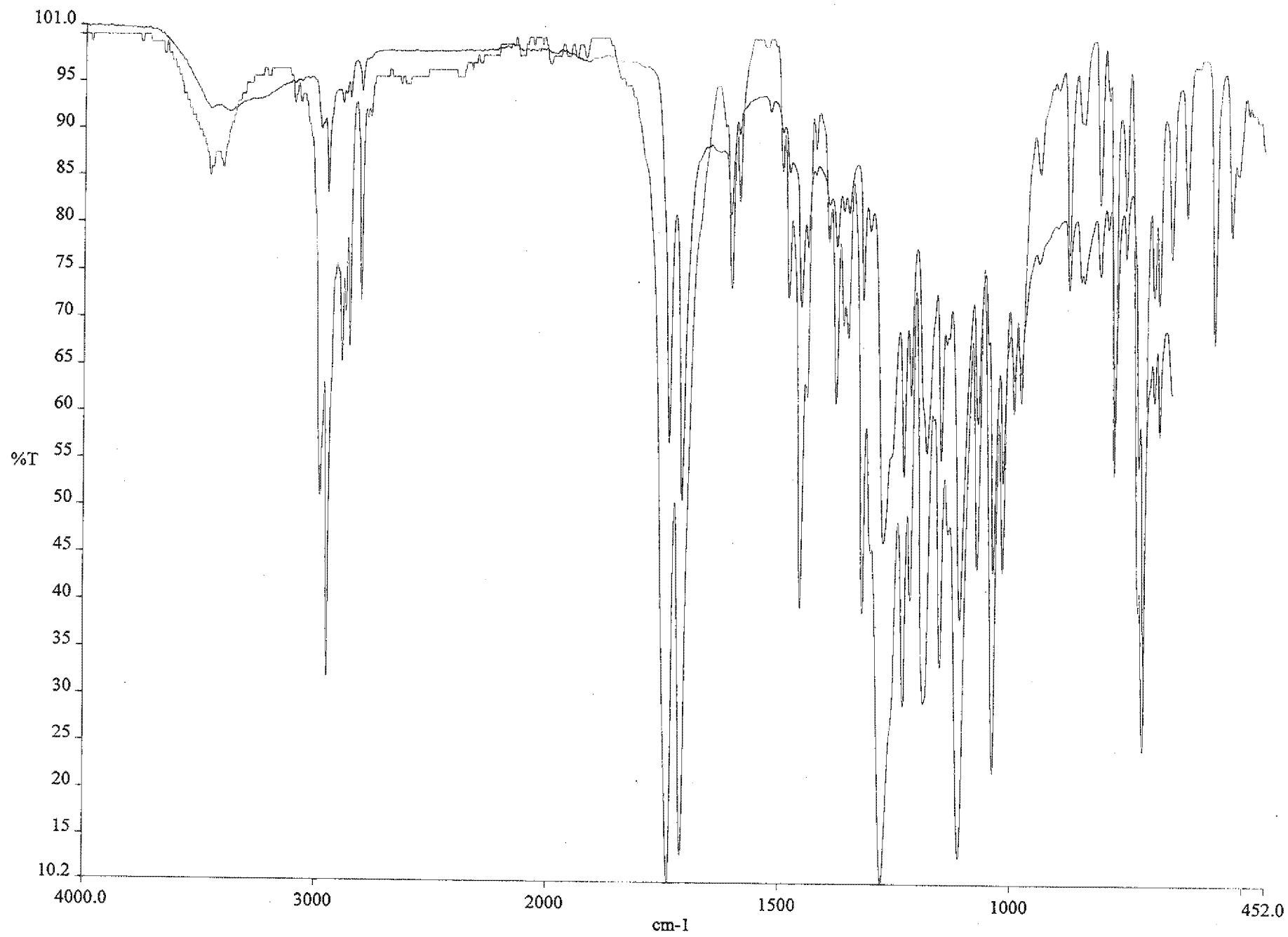
Euclidean Hit List:

0.822 DL1744 COCAINE (SYNTHESIZED CRACK)
0.779 DL0178 COCAINE IN KBr
0.626 DL0209 COCAINE HCl IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

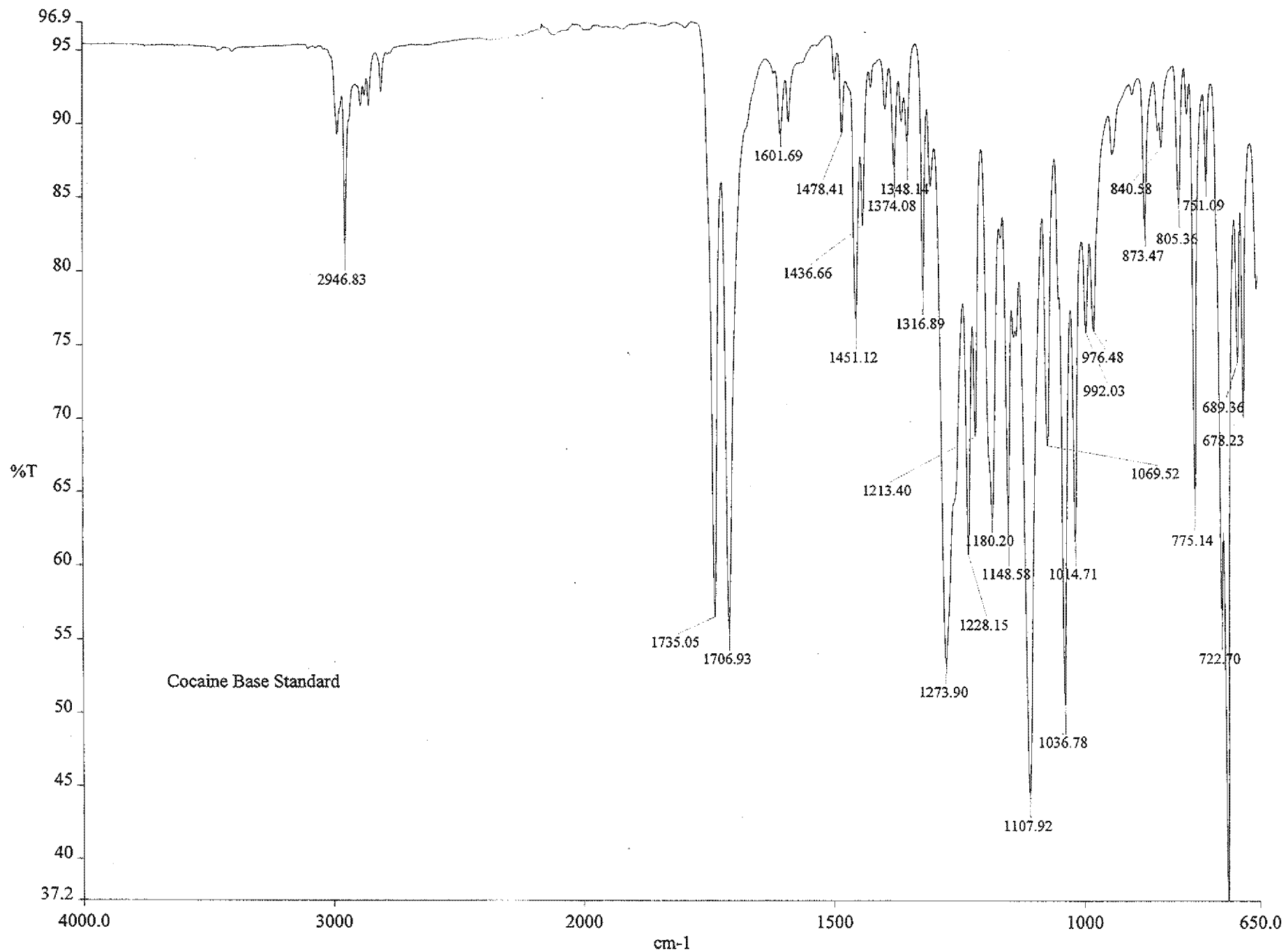
Selected Range: 4000.00 - 652.00 cm⁻¹

No Blank Regions:

The Georgia State Crime Laboratory



— c:\pel_data\spectra\██████████ brockton.sp
- - - dl1744.sp - DL1744 COCAINE (SYNTHESIZED CRACK)



c:\pel_data\spectra\standards\cocaine base std.sp

Unknown: C:\pel_data\spectra\STANDARDS\Cocaine base Std.sp
Library: C:\pel_data\libs\DL.idx

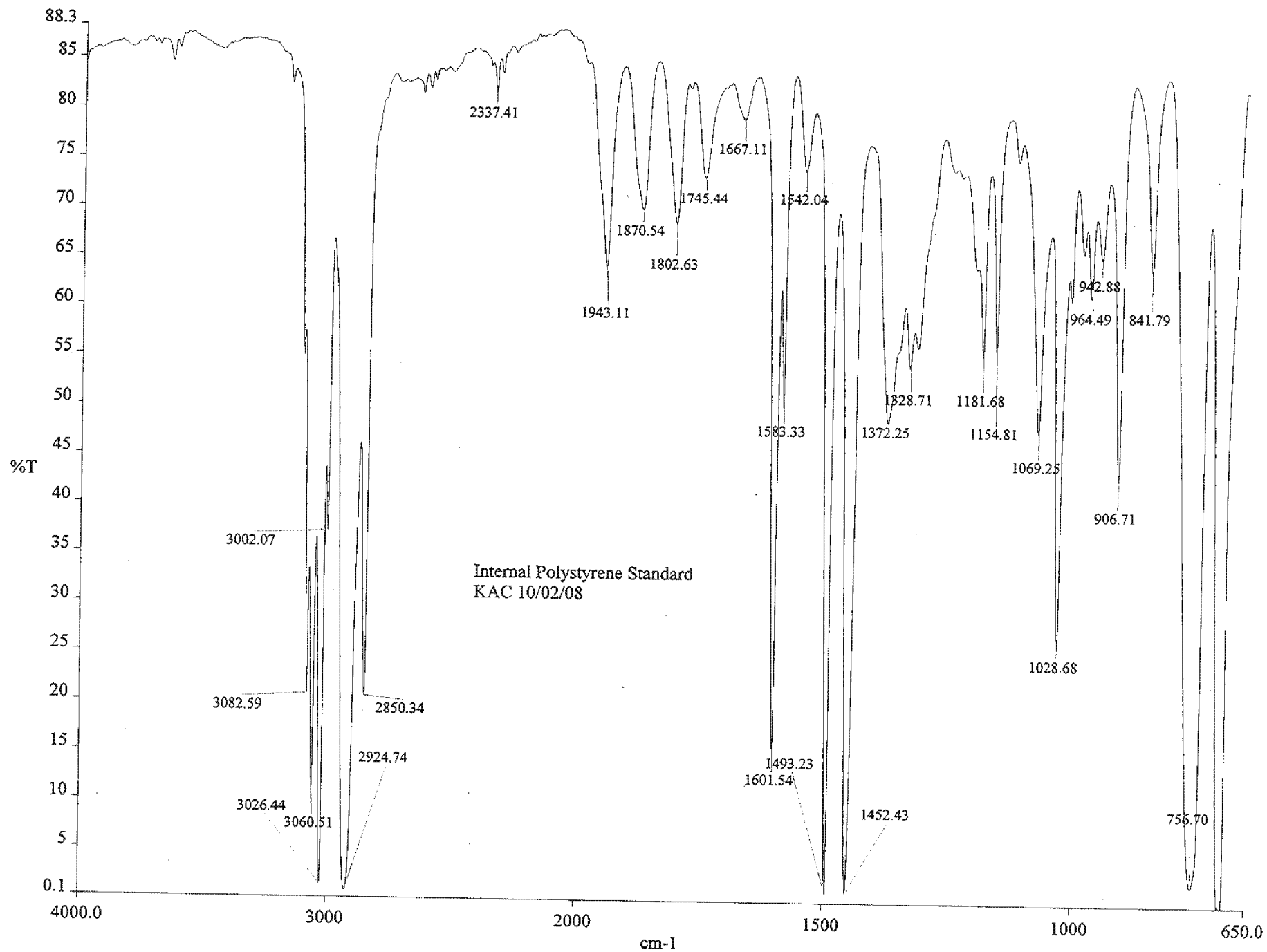
Euclidean Hit List:

0.860 DL1744 COCAINE (SYNTHESIZED CRACK)
0.825 DL0178 COCAINE IN KBr
0.651 DL0209 COCAINE HCl IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

Selected Range: 4000.00 - 652.00 cm⁻¹

No Blank Regions:

The Georgia State Crime Laboratory



c:\pel_data\spectra\internal polystyrene standard.sp

Unknown: C:\pel_data\spectra\Internal Polystyrene Standard.sp
Library: C:\pel_data\libs\DL.idx

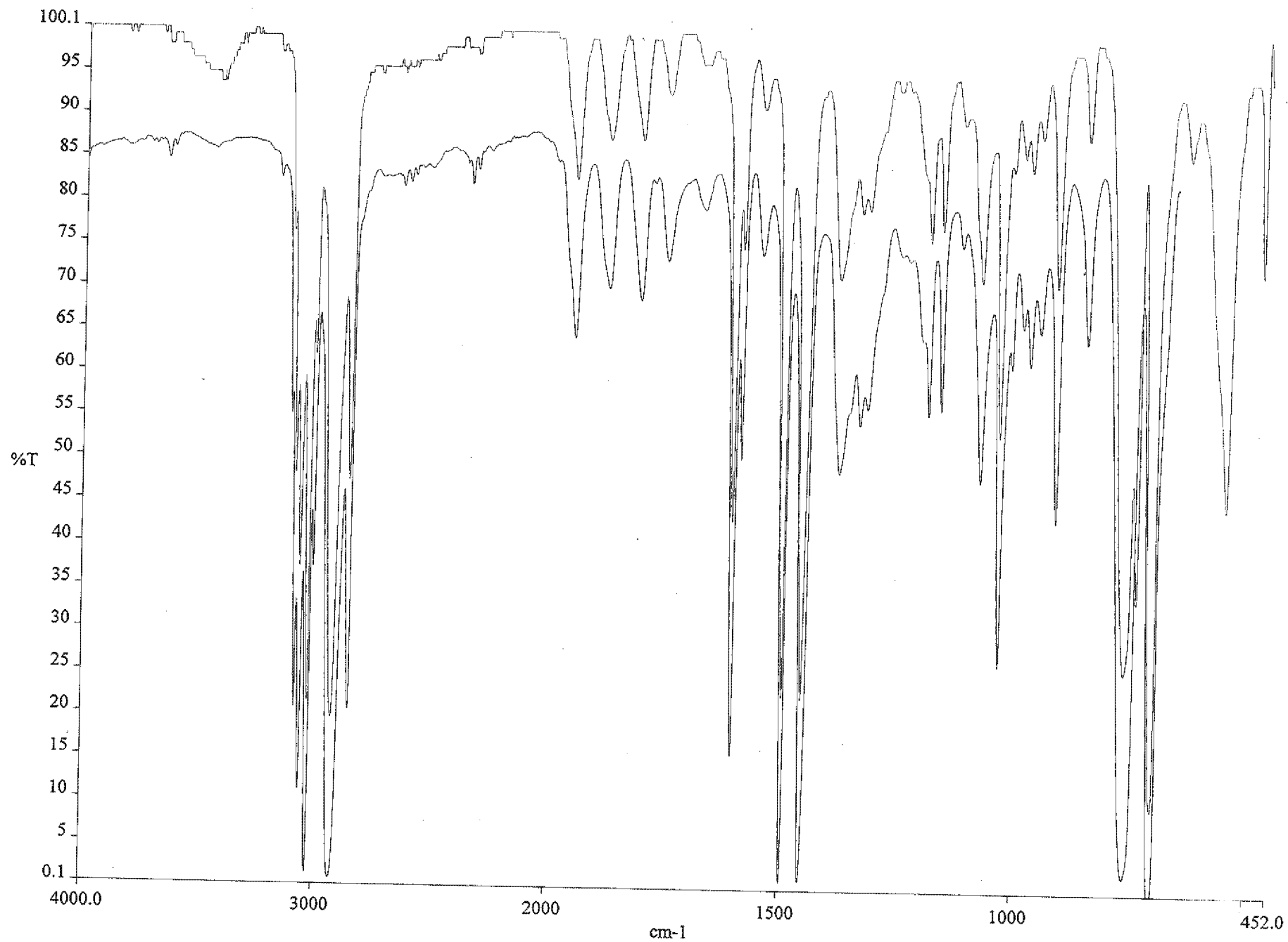
Euclidean Hit List:

0.925 DL0526 POLYSTYRENE FILM ON KBr PLATES
0.649 DL1310 PRENYLAMINE IN KBr-BASIC EXTRACT OF LACTATE SALT
0.581 DL0195 (1-PHENYLCYCLOHEXYL)ETHYLAMINE IN KBr

Selected Range: 4000.00 - 652.00 cm⁻¹

No Blank Regions:

The Georgia State Crime Laboratory



—— c:\pel_data\spectra\internal polystyrene standard.sp
- - - - dl0526.sp - DL0526 POLYSTYRENE FILM ON KBr PLATES